

THE PRESIDENT said, the opinions of the several experienced officers of the Government sitting in the Council in respect of the change in this section of the Bill were entitled to the greatest respect, and he could not but sympathize with the groans which might come from the collectors on account of this change. At the same time he would express his individual opinion, that he not only accepted the change made in the Bill as a concession to the opposition made to the original provision both in and out of Council, but he thought it was right and proper to do so. He must say that his early education in the service led him to sympathize with those who opposed the stringency of the Sale Law. He had been accustomed to provinces such as those described by the hon'ble member on his left (Mr. Bernard) in which it was considered a disgrace to bring an estate to sale. Other effectual measures were resorted to for the realization of arrears of revenue, and although the experience of the hon'ble mover of the Bill had not been in that respect fortunate, His Honor's opinion had led him to a different conclusion. There were other modes of collecting the Government revenue which had been eminently successful without selling up an estate. The Sale Law was a harsh measure by which all subordinate rights were swept away in a most summary manner. His hope would be, not only that it would not be necessary to apply that law to the provisions of this Bill, but that it might be possible at some future time to mitigate the provisions of the Sale Law even in respect of the collection of arrears of revenue. At all events, he thought it was the duty of the Council to devise other measures in respect of this Bill, and he had much pleasure in submitting to the Council the question that section 10 stand part of the Bill.

The section was then agreed to.

Sections 11 and 13 were agreed to with verbal amendments.

Section 12 and sections 14 to 20 were agreed to.

Section 21 having been read—

MR. SCHALCH said, he might observe that the British Indian Association had suggested that as a reduction was given to the tenure-holder from the cess to be paid on his proportion of the rent or revenue, a similar reduction of 25 per cent. should be given to the ryot. He (Mr. Schalch) still held the opinion that we had assessed the ryot on the supposition that his profits were equal to his rent, and therefore any deduction that might be given would militate against the principle accepted by the Council in other cases in which the cess was taken on the profits.

THE PRESIDENT said, if the hon'ble member on his right, who signed the letter of the British Indian Association in his capacity of their honorary secretary, was of opinion that a change should be made in the direction which he pointed out on the part of the Association, it might be effected by proposing that the proportion of cess paid by the ryot should be one-third instead of one-half the rent paid by him.

RAJAH JOTEENDRO MOHUN TAGORE said, as far as he was individually concerned, he did not quite agree with the view taken by the British Indian Association of making a reduction from the cess payable by the ryot; but as that view had been taken by the Association, he had signed the letter in his capacity of their secretary. But he was not prepared to move any amendment on the section.

MR. WORDIE said he thought some remuneration should be given to land-holders for their trouble in collecting the cess, and the risk attendant in doing so. He did not see why they should be required to do what was the duty of the officers of Government without any compensation for the expense, trouble, and annoyance they would be put to in carrying through the work.

THE PRESIDENT said that he might at once state boldly that in his opinion the zemindars were not entitled to any remuneration for collecting the cess, and should not have remuneration for any work of this kind. Property had its duties in all parts of the world as well as its rights, and that was eminently the case in India and most eminently so in Bengal, where landed property had been created for the sake of the duties which the landholders were expected to perform. Under the Indian agrarian system all sorts of duties were delegated to the zemindars, and one of those duties was, as he believed, the making

of roads; as the zemindars had been absolved from that duty in consideration of paying a cess with others, the least they could do in return was to collect the rate, and that duty was not of a burdensome character. We had in no degree mitigated the process by which the zemindars could collect the rate; the process would involve the sale of the lands of their under-tenants and other stringent means of compulsion. We armed them with these powers, and all that they had to do was to collect a certain sum in excess of their rents—to add a percentage to their own collections; and in consideration of their collecting the rate they were absolved from their original burden of keeping the roads in repair. Therefore he was strongly of opinion that the zemindar was not entitled to have any compensation for the collection of the cess. The hon'ble mover of the Bill had also taken the view, that inasmuch as the zemindar would have to pay less than the ryot, the difference between the amount paid by him and his under-tenants would be a compensation for the trouble imposed upon him. We were agreed that it was not advisable to make any pecuniary compensation to the zemindar.

MR. WORDIE said, it was to be remembered that the present was only the first of several measures for the improvement of the country, and it was but natural to infer that the mode of collecting this cess would be adopted for the collection of all subsequent imposts of a similar nature. The collection of these taxes would therefore entail considerable expense, and would be felt as a great burden by landholders. In a recent debate in another Council, it was very clearly stated that the great importance of the permanent settlement was the fixity of the Government demand, and that this was the essence of the benefit it conferred on zemindars. Now, he thought if it really was the case that these cesses were to be collected free of charge to the country, and if landholders were to pay all expenses, the fixity of the permanent settlement was to some extent affected. It could scarcely be said that the zemindar would be put to no expense in collecting, and although the penalty of non-collection would not now cause the sale of his estate, still the entire cost would fall very heavily upon him. In almost every estate in Bengal there were considerable arrears of rent, the amount of which depended upon the season, upon drought or inundation, and, as was lately seen, upon famine. The advances that would have to be made on account of these cesses might therefore be considerable, and it was a serious matter to direct one class of men to undertake a duty of this nature and tell them they were to get nothing for their trouble. He was not aware that any other tax was treated in a similar manner. It would no doubt save great expense and trouble to the State and to its executive officers, and he thought that that very consideration rendered it just and proper that something should be allowed to those on whom this unpleasant task was imposed. It seemed to him that the views of the Government of India as they had been stated in the debate he had referred to, and also the opinion of the Secretary of State, who in a recent despatch enunciated the same principles, rendered it necessary that some remuneration should be allowed.

THE PRESIDENT said, the hon'ble member seemed to forget the saying, "sufficient unto the day is the evil thereof," and while we were discussing this Bill, he was distressing himself unnecessarily by depicting to himself additional cesses for additional objects. He did not know whether any additional cesses would ever be imposed. His belief was that before we came to this Council in order to enable us to impose other cesses, we might have to face the question of taxing movable property for objects of a different character from that now before the Council. At any rate, the views of the Government had not yet gone beyond this Bill, and therefore our consideration should be confined to the provisions of this Bill. No doubt there were arrears of rent in some estates, but he very much doubted whether the recoverable arrears in estates on the average were really so much as five per cent. Under the Bill the ryots would pay about three-fifths, and the zemindars about two-fifths of the cess; the ryot would pay the major part, and the zemindar the minor part, even allowing for irrecoverable balances. Under these circumstances, he thought the suggestion to compensate the zemindars for the collection of the rate was inadmissible.

MR. SCHALCH said, if the zemindars were not to be employed in the collection of the cess, the only other way to do so would be to give power to the collector to farm it out; and he did not think the farmers' agents would be less scrupulous than those employed by the zemindars: he was quite sure, also, that the zemindar would find it an intolerable nuisance to have strangers roaming on their estates and making collections from their ryots. They might very often find that while they were unable to collect ten rupees of rent because twenty rupees worth of property had been fraudulently sold by the cess-farmer for the collection of a sum of a few annas on account of the cess. The truth was that the zemindars would in reality prefer to have the form of collection of the cess placed in their own hands, although undoubtedly they would prefer receiving a percentage for performing the duty. Taking it on the whole, he thought we rather facilitated the collection of the zemindar's rents by demanding the full cess from him, and leaving him to arrange with his under-tenants for the payment of their quota of the rate; and it would be better for them to run the risk of being unable to recover a portion of the cess payable by their under-tenants, than allow an outsider to interfere between them and their tenants.

MR. BERNARD said, it seemed to him that this cess should be paid by the landholders, who were responsible for the keeping open of communications, and it would be for them to recover a certain portion of it from their under-tenants. A precisely similar provision had been introduced in another Bill before the Council, namely, the Bill relating to embankments and water-courses, under which the landlord first paid the whole amount to be collected, and then recovered from those who were liable, and it was never proposed to give him any percentage for doing so.

The section was then agreed to.

The further consideration of the Bill was postponed.

#### CENSUS OF BENGAL.

MR. BERNARD moved that the Bill to enable the Lieutenant-Governor to take a census of Bengal be read in Council. He said, in February last this Council was good enough to grant leave to bring in a Bill to enable the Lieutenant-Governor to take a census of the inhabitants of Bengal. The plan for taking a census was however for some time in abeyance, and the Census Bill was not brought forward. It has now been decided that a census of all British subjects shall be taken during the coming cold season, and it is necessary to make arrangements for the business in Bengal. He need not trouble the Council with any remarks regarding the objects of a census, nor need he dwell on the advantages which the Government and the public must gain by knowing more or less exactly the number of inhabitants in every part of this great province. Every civilized country has a periodical counting of its inhabitants, and in most parts of British India a census has been taken once or twice during the last twenty years. But in Bengal no census has ever yet been taken; and the Government of Bengal hardly know within ten millions or so how many people are committed to its care. In all fiscal, educational, police, or sanitary matters, and indeed in all administrative affairs, it must be of the greatest importance for the Government to know how many souls it has to deal with in a particular tract of country. The extreme inconvenience of doubts on a matter of this kind was especially apparent during the Orissa famine, when the Government did not know within half a million or so how many mouths it had to feed. Perhaps some of this uncertainty regarding population statistics must still exist; for he found that a district in Bengal contained about a quarter of a million souls according to one of last year's Government reports, while according to another report published during the same year, the same district contained about three quarters of a million souls.

The absence of any groundwork for the census, and the non-existence of revenue subordinates in the interior of districts, makes the work of the census particularly heavy in Bengal; and therefore it was that the Government was obliged to ask the aid of the legislature in this matter. In some districts the only agents through which the work can be done are the landholders of the

several grades and their managers; these people under the permanent settlement fill positions which are in some sort analogous to the positions of Government revenue officials and village officers in other parts of India. The Bill proposed to empower collectors to appoint enumerators in every village or town, and it provided for landholders and their agents giving reasonable aid. In rural tracts the enumerators will often be the landholder's agents, while in towns it will be comparatively easy to find educated men fit for the business of enumerating. The work required of each enumerator will be comparatively trifling, but still it will not do to have enumerators withdrawing from or neglecting the business when the time for taking the census comes. The form in which enumerators will enter their information will be short and simple; and in some parts of the country the work of taking the census will be spread over several days instead of being completed in a single night. In cities and towns where municipalities cannot undertake the business, and in some rural tracts, it may be necessary to pay the enumerators; and a moderate grant from the imperial treasury will, it is hoped, be available for this purpose.

He would not detain the Council further at this stage, but would only add that it will strengthen the hands of the executive in a very heavy affair, if the Council should feel itself able to pass some enactment of the kind now laid upon the table.

THE PRESIDENT said, he might mention, in connection with this Bill, that in the course of the past year the Government of India had required all the local Governments to take a census of the inhabitants in an extremely complicated form; but yielding to the representations made, the Government of India had been pleased to accept an infinitely simpler form for the taking of the census in Bengal. That form would however be sufficient to convey all useful information which would be required, and it would enable us to submit to the supreme Government an approximate idea of the number of British subjects in Bengal. He hoped that the Bill would be proceeded with without needless delay.

The Bill was then referred to a select committee, consisting of Mr. Thompson, Rajah Joteendro Mohun Tagore, and the mover, with instructions to report within a week.

The Council was adjourned to Wednesday, the 12th instant.

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#### Erratum.

At page 379 of the Supplement to the *Calcutta Gazette* of the 14th June 1871, in the third line from the top, instead of "Rs. 4" read "not less than Rs. 40."

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## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for last 6 days of June 1871, on 1,279½ miles open.

	COACHING TRAFFIC.			MERCHANTISE AND MINERAL TRAFFIC.			Total traffic receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
	Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.	
Total traffic for the last 6 days ...	70,892½	91,656 10 4	8,401 17 3	344,766 10	*2,16,255 12 3	19,823 8 11	28,225 6 2
Or per mile of railway ...	.....	71 10 2	6 11 4	.....	169 0 3	15 9 10	22 1 2
For previous 25 weeks of half-year ...	2,648,693½	37,32,749 7 9	342,108 14 0	15,408,772 30	Q2,40,763 15 0	847,893 0 7	1,190,063 14 7
Total for 25½ weeks ...	2,728,586	38,24,406 2 1	350,570 11 8	15,753,539 0	94,66,019 11 3	867,718 9 6	1,318,239 0 9
<b>COMPARISON.</b>							
Total for corresponding 5 days of previous year ...	66,166	77,886 5 0	7,139 11 6	558,488 10	3,40,398 5 4	31,203 3 8	38,342 15 2
Per mile of railway corresponding period of previous year ...	.....	68 13 4	6 6 2	.....	300 13 5	27 11 7	33 17 5
Total to corresponding date of previous year ...	2,796,742½	44,25,103 15 11	405,642 15 8	19,556,287 20	1,09,58,461 0 1	1,004,525 12 11	1,416,168 8 7

\* Rupees 18,000 added on account of difference between approximate and audited returns of previous weeks.

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for last 6 days ended of June 1871, on 223 miles open.

	Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the last 6 days ...	3,791½	9,868 6 11	904 12 2	30,354 0	7,009 13 9	642 11 5
Or per mile of railway ...	.....	44 4 1	4 1 2	.....	31 6 11	2 17 7
For previous 25 weeks of half-year ...	114,263	3,67,753 6 7	33,710 14 7	1,496,981 20	4,24,280 8 3	38,892 7 7
Total for 25½ weeks ...	118,054½	3,77,621 13 6	34,615 6 9	1,527,335 20	4,31,290 6 0	39,534 19 0
<b>COMPARISON.</b>						
Total for corresponding 5 days of previous year ...	2,641	7,420 8 2	680 4 3	86,558 0	24,332 2 9	2,230 9 0
Per mile of railway corresponding period of previous year ...	.....	33 4 5	3 1 0	.....	100 1 10	10 0 1
Total to corresponding date of previous year ...	119,068	3,74,481 6 4	34,327 9 3	1,175,395 30	3,73,310 13 1	34,220 3 2

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for last 6 days of June 1871, on 156½ miles open.

	Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the last 6 days of June ...	30,312	13,043 14 6	1,195 13 10	72,152 28	16,985 0 11	1,550 19 3
Or per mile of railway ...	19½	83 5 6	7 12 10	462 0	108 8 6	9 18 11
For previous 25 weeks of half-year ...	7,79,046½	4,64,203 1 8	42,551 19 1	3,104,250 37	6,36,945 15 8	58,886 13 11
Total for the half year ...	8,09,358½	4,77,246 15 9	43,747 12 11	3,176,403 25	6,53,931 0 7	59,943 13 2
<b>COMPARISON.</b>						
Total for corresponding week of previous year ...	16,453	9,010 14 1	826 0 0	83,419 17	15,360 0 0	1,408 0 0
Per mile of railway corresponding week of previous year ...	145	79 9 0	7 5 10	737 0	135 9 10	12 8 8
Total to corresponding date of previous year ...	686,834	4,13,628 3 42	37,915 18 11	2,832,402 35½	4,63,479 12 1	42,487 9 4

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for first day of July 1871, on 1,279½ miles open.

	Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the first day ...	16,596	21,948 3 6	2,011 48 5	57,259 0	32,745 3 0	3,001 12 10
Or per mile of railway ...	.....	17 2 5	1 11 5	.....	25 0 6	2 6 11
For previous weeks of half year ...	.....	.....	.....	.....	.....	.....
Total for 1 day ...	16,596	21,948 3 6	2,011 15 5	57,259 0	32,745 3 0	3,001 12 10
<b>COMPARISON.</b>						
Total for corresponding 2 days of previous year ...	28,770½	33,013 13 0	3,026 5 4	181,045 0	1,08,852 7 6	9,978 2 10
Per mile of railway corresponding period of previous year ...	.....	29 2 10	2 13 6	.....	96 3 3	8 16 4
Total to corresponding date of previous year ...	28,770½	33,013 13 0	3,026 5 4	181,045 0	1,08,852 7 6	9,978 2 10

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

*Approximate Return of Traffic for First day of July 1871, on 223 miles open.*

	COACHING TRAFFIC.			MERCHANTISE AND MINERAL TRAFFIC.			Total Traffic Receipts.	
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.			
		Rs. As. P.	E s. d.	Mds. Srs.	Rs. As. P.	E s. d.		
Total traffic for the first day of July	642	1,508 11 10	138 6 0	4,828 20	1,312 14 0	120 7 0	258 13 0	
Or per mile of railway	.....	6 12 3	0 12 5	.....	5 14 2	0 10 9	1 3 2	
For previous weeks of half year	.....	.....	.....	.....	.....	.....	.....	
Total for 1 day	642	1,508 11 10	138 6 0	4,828 20	1,312 14 0	120 7 0	258 13 0	
COMPARISON.								
Total for corresponding 2 days of previous year	1,062	2,568 10 8	235 9 3	7,489 0	2,347 13 2	215 4 4	450 13 7	
Per mile of railway corresponding period of previous year	.....	11 8 4	1 1 1	.....	10 8 5	0 19 4	2 0 5	
Total to corresponding date of previous year	1,062	2,568 10 8	235 9 3	7,489 0	2,347 13 2	215 4 4	450 13 7	

## EASTERN BENGAL RAILWAY.

*Approximate Return of Traffic for First 1 day of July 1871, on 156½ miles open.*

	COACHING TRAFFIC.			MERCHANTISE AND MINERAL TRAFFIC.			Total Traffic Receipts.	
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.			
		Rs. As. P.	E s. d.	Mds. Srs.	Rs. As. P.	E s. d.		
Total traffic for the first day of July	5,456½	3,224 11 3	295 11 10	21,114 13	4,539 9 11	416 2 8	711 14 6	
Or per mile of railway	35	20 9 8	1 17 9	135 0	29 0 1	2 13 2	4 10 11	
Total	5,456½	3,224 11 3	295 11 10	21,114 13	4,539 9 11	416 2 8	711 14 6	
COMPARISON.								
Total for corresponding week of previous year	8,140½	4,455 13 1	408 9 0	39,887 39	6,596 4 4	604 13 2	1,013 2 2	
Per mile of railway corresponding week of previous year	72	39 6 7	3 12 2	352 0	58 3 11	5 6 9	8 18 11	
Total to corresponding date of previous year	8,140½	4,455 13 1	408 9 0	39,887 39	6,596 4 4	604 13 2	1,013 2 2	

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

*Approximate Return of Traffic for week ended 1st July 1871, on 28 miles open.*

	COACHING TRAFFIC.			MERCHANTISE AND MINERAL TRAFFIC.			Total Traffic Receipts.	
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.			
		Rs. As. P.	E s. d.	Mds. Srs.	Rs. As. P.	E s. d.		
Total traffic for the week	5,089	1,444 6 9	144 8 10	9,912 0	308 10 6	30 7 4	174 16 3	
Or per mile of railway	182	51 9 5	5 3 2	354 0	10 13 6	1 1 8	6 4 10	
For previous 13 weeks of half-year	94,515	17,529 4 0	1,752 18 6	143,282 10	4,101 13 9	410 3 9	2,163 2 3	
Total for 14 weeks	99,604	18,073 10 0	1,897 7 4	153,194 10	4,405 8 3	440 11 1	2,337 18 5	
COMPARISON.								
Total for corresponding week of previous year	5,285	967 9 0	96 15 2	11,340 30	338 4 3	33 16 6	130 11 8	
Per mile of railway corresponding week of previous year	189	34 9 1	3 9 1	405 0	12 1 4	1 4 2	4 13 3	
Total to corresponding date of previous year	82,051	13,851 11 0	1,385 3 5	152,540 12	5,423 1 0	542 6 1	1,927 9 6	

## Meteorological Telegraphic Report for the period 2nd to 8th July 1871.

Station	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level,	THERMOMETER.		Humidity Sat. = 100	WIND.		Rain.	Clouds.	Weather initials.		
					Dry.	Wet.		Direction.	Velocity.					
CALCUTTA.	July 2nd	10	29°590	29°608	79°0	77°5	93	W S W	...	2°72	.....	o, d		
	16	29°504	29°522	79°9	77°7	91	W by S	...	0°01	.....	o			
	3rd	10	29°570	29°597	81°6	81°4	85	S E	...	0°20	K			
	16	29°522	29°540	84°0	80°7	87	S	...	0°02	N	e			
	4th	10	29°674	29°692	84°7	80°2	79	S S E	...	0°09	S			
	16	29°613	29°631	87°0	81°0	76	S by E	...	0°43	K				
	5th	10	29°626	29°644	86°0	82°2	83	S S E	...	0°27	K			
	16	29°547	29°565	87°8	84°0	83	S	...	0°10	K				
	6th	10	29°607	29°625	86°5	81°5	79	S	...	0°26	.....	o		
	16	29°520	29°538	85°0	82°0	87	S by W	...	0°27	K				
	7th	10	29°580	29°598	85°7	82°4	85	S by E	...	0°10	N, K			
	16	29°470	29°488	91°0	83°0	73	S	...	0°10	K				
	8th	10	29°553	29°571	87°5	83°0	81	S S E	...	0°10	K			
	16	29°462	29°480	85°6	82°8	87	S E	...	0°26	.....	o			
SAGOR ISLAND.	2nd	10	29°606	29°612	84	80	83	W	12°*	1°00	N	m, o		
	16	29°466	29°472	80	79	95	W N W	16°2*	0°20	N	d, o			
	3rd	10	29°686	29°592	83	82	95	W	3°6*	0°30	N	b, v		
	16	29°547	29°553	86	81	79	S	8°5*	...	N	b			
	4th	10	29°677	29°683	87	82	79	S E	12°4*	...	N	b		
	16	29°609	29°615	87	81	76	S	13°9*	...	N	b			
	5th	10	29°627	29°633	87	82	79	S	2°2*	0°10	N	b, v		
	16	29°568	29°574	88	83	80	S S E	10°2*	...	N	b			
	6th	10	29°611	29°617	88	83	80	S S E	8°9*	...	N	b, u		
	16	29°547	29°553	85	83	80	S S E	10°3*	...	N	b			
	7th	10	29°588	29°594	88	84	83	S E	9°1*	0°20	N	b, v		
	16	29°498	29°504	88	83	80	S E	12°6*	...	N	b			
	8th	10	29°557	29°563	88	84	83	S S E	7°5*	...	N	m		
	16	P	P	87	83	83	S S E	10°8*	...	N	o, u			
CHITTAGONG.	2nd	10	29°556	29°666	84	79	79	E S E	7°7*	0°10	CK, CS	b, v		
	16	29°487	29°598	82	79	87	S	11°6*	0°60	K, KS	b, v			
	3rd	10	29°614	29°723	86	79	72	S E	7°5*	...	K	b		
	16	29°552	29°662	85	80	79	S W	12°2*	...	K, KS	b			
	4th	10	29°666	29°775	86	80	75	S E	7°0*	...	C	b		
	16	29°602	29°711	86	80	75	W	13°9*	...	CS	b			
	5th	10	29°643	29°752	86	80	75	E S E	6°8*	...	K	b		
	16	29°549	29°658	86	81	79	S W	13°5*	...	K, C	b, m			
	6th	10	29°502	29°701	87	81	76	S	6°8*	...	K, KS	b, m		
	1c	29°522	29°632	84	82	91	W	12°0*	...	KS	c, K			
	7th	10	29°572	29°681	86	81	79	W S W	c°2*	0°20	K, c, K	b, q		
	16	29°479	29°588	85	81	83	S W	13°8*	...	K, KS	b			
	8th	10	29°554	29°664	85	80	79	E S E	6°1*	...	K, KS	b		
	16	29°497	29°616	82	79	87	E	5°6*	0°30	KS	u, v			
MADRAS.	1st	10	29°822	29°652	92	76	45	S W	12°*	...	.....	m		
	16	29°710	29°740	87	77	61	S E	8°*	...	.....	o			
	2nd	10	29°790	29°820	86	74	54	S W	10*	0°66	.....	o		
	16	29°712	29°742	88	74	49	W	5°*	...	.....	o			
	3rd	10	29°785	29°815	85	73	54	S W	8°*	...	.....	o		
	16	29°693	29°723	88	72	43	W S W	9°*	...	.....	o			
	4th	10	29°776	29°806	90	73	41	W S W	18°*	...	.....	o		
	16	29°674	29°704	90	77	53	N E by E	9°*	...	.....	be			
	5th	10	29°756	29°786	90	74	44	W S W	17°*	...	.....	be		
	16	29°650	29°680	90	78	56	S by W	6°*	0°06	.....	be			
	6th	10	29°719	29°749	93	75	40	W	12°*	...	.....	be		
	16	29°606	29°636	95	78	44	N E by E	9°*	...	.....	be			
	7th	10	29°710	29°740	90	74	44	S W by W	12°*	...	.....	be		
	16	29°595	29°625	96	75	34	W S W	11°*	...	.....	o			
	8th	10	...	...	...	...	...	...	...	.....	...	...		
CUTTACK.	1st	10	29°627	29°709	87	80	72	W S W	0°3*	...	CK	....	t, l, fair	
	16	29°517	29°599	84	77	71	S S W	0°6*	...	C, KS, N	....			
	2nd	10	29°685	29°667	88	79	83	W N W	0°6*	2°40	N	o, r, d		
	16	29°487	29°567	86	79	72	S W	0°4*	...	C	d			
	3rd	10	29°680	29°643	80	77	86	S W	0°3*	2°30	.....	t, l, r, d		
	16	29°503	29°585	84	79	79	S W	0°8*	...	.....	Cloudy.			
	4th	10	29°593	29°675	85	80	79	N E	0°1*	...	KS			
	16	29°480	29°562	87	81	76	E S E	0°5*	...	CK, N				
	5th	10	29°580	29°662	88	81	72	S W	0°1*	0°10	KS, N, C	Fair		
	16	29°495	29°577	89	80	66	S	0°3*	...	N				
	6th	10	29°756	29°629	89	82	73	S	0°4*	...	KS			
	16	29°472	29°553	90	82	69	S E	0°5*	...	KS, N, C	Cloudy			
	7th	10	29°525	29°607	89	83	76	N N E	0°2*	0°10	KS, C	r		
	16	29°425	29°507	85	82	87	E S E	0°3*	...	N	d			
AKYAB.	8th	10	29°475	29°556	90	83	73	S S E	0°2*	...	N, KS	Cloudy		
	19	29°455	29°538	80	78	91	S W	0°4*	...	N, KS	o			
	2nd	10	29°690	29°705	81	79	91	S	1	0°10	K	b		
	16	29°641	29°656	77	75	90	S	1	0°20	K	o			
	3rd	10	29°723	29°738	80	77	86	S	1	0°20	KS, N	d		
	16	29°644	29°659	84	80	83	S S W	1	0°10	K, KS	b			
	4th	10	29°715	29°730	83	80	87	S S E	1	0°10	K, KS	b		
	16	29°660	29°675	85	80	79	S	1	...	CK				
	5th	10	29°735	29°750	83	80	87	S E	1	0°10	C, K, KS	b		
	16	29°650	29°665	85	80	79	S S W	1	...	C, K	b			
	6th	10	29°690	29°705	81	79	91	S S E	1	0°10	K, KS	b		
	16	29°610	29°631	83	79	83	S W	1	0°10	C, K, KS	b			
	7th	10	29°663	29°678	84	80	83	S E	1	...	C, K, KS	b		
	16	29°471	29°586	85	81	83	S	2	...	C, K	b			
	8th	10	29°653	29°668	84	81	87	S E	2	0°10	K, KS	o		
	16	29°603	29°618	80	78	91	S W	2	0°30	N	r			

\* Velocity of wind in miles per hour.

HENRY F. BLANFORD,  
Meteorological Reporter to the Government of Bengal.

**Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.**

DIVISIONS.	Stations.	Rainfall from 19th to 25th June 1871.	Rainfall from 26th June to 2nd July 1871.	RAIN FROM 1ST JANUARY 1871.		REMARKS.
				Rain	Up to date.	
CUTTACK.	Cuttack { Telegraph Office ...	4.70	4.50	23.68	2nd July 1871.	
	Jail ...	5.79	2.67	20.70	ditto.	
	False Point ...	4.40	Not received	23.25	25th June 1871.	
	Jajipore ...	6.91	ditto	18.81	ditto.	
	Kendraparah ...	3.0	ditto	17.70	ditto.	
	Jugutsingpore ...	3.80	ditto	18.93	ditto.	
	Sumbupore ...	2.27	ditto	10.55	ditto.	
	Baisore ...	3.03	1.26	23.62	2nd July 1871	
	Bhuddruck ...	2.46	1.00	20.06	ditto.	
	Poorer ...	0.34	0.89	22.14	ditto.	
CHOTA NAGPORE.	Khoordah ...	7.59	Not received	21.43	25th June 1871.	
	Hazareebagh ...	1.91	Nil	9.08	2nd July 1871.	
	Burhee ...	2.14	1.64	12.49	ditto.	
	Pachamba ...	4.07	2.30	17.61	ditto.	
	Ranchee ...	Not received	Not received	2.49	30th April 1871.	
	Palanow ...	0.91	1.55	14.94	2nd July 1871.	
	Purulia ...	2.95	2.05	18.26	ditto.	
	Gobindpore ...	4.10	1.29	7.60	ditto.	
	Chyebassa ...	2.46	2.32	19.07	2nd July 1871.	From 12th June.
	Patna ...	2.16	9.25	17.76	ditto.	
PATNA.	Behar ...	1.62	4.33	12.67	ditto.	
	Barkh ...	0.64	Not received	4.49	25th June 1871.	
	Dinapore ...	1.83	10.51	16.57	2nd July 1871.	
	Gya ...	1.81	1.97	10.60	ditto.	
	Sherghatty ...	Not received	Not received	4.49	11th June 1871.	
	Nowadah ...	ditto	ditto	6.00	ditto	
	Arunghabad ...	0.30	1.19	6.92	2nd July 1871.	
	Chumparun ...	2.16	Not received	8.67	25th June 1871.	
	Bettiah ...	6.10	ditto	6.10	ditto	
	Chuprah ...	1.70	7.35	14.35	2nd July 1871.	
BHAGDOPORE.	Sewan ...	1.70	4.08	15.71	ditto.	
	Moznifpore ...	1.84	8.45	19.98	ditto.	
	Durbhangah ...	4.70	Not received	10.60	18th June 1871.	
	Seetamaree ...	0.45	5.00	16.16	2nd July 1871.	
	Tajpore ...	0.67	4.92	14.24	ditto	
	Mudhubani ...	0.26	6.20	14.78	ditto	
	Hajipore ...	1.53	8.12	5.24	ditto	
	Arrah ...	2.25	4.67	13.53	ditto.	
	Buxar ...	2.28	2.57	16.10	ditto.	
	Sasseram ...	1.53	2.47	7.29	ditto.	
RAJSHAHIE.	Bhubhoorah ...	1.84	3.16	12.17	ditto.	
	Benares ...	4.65	1.00	11.63	2nd July 1871.	
	Bhangulpore ...	Not received	Not received	1.97	23rd April 1871.	
	Mudheypoorah ...	0.30	6.70	21.71	2nd July 1871.	
	Banka ...	1.58	6.09	17.21	ditto.	
	Monghyr ...	0.56	6.19	15.26	ditto.	
	Jamooie ...	2.85	3.20	14.23	ditto.	
	Begoosari ...	2.42	Not received	9.82	25th June 1871.	
	Deoghur ...	2.93	4.29	20.90	2nd July 1871.	
	Jautara ...	2.50	4.53	21.33	ditto	
BURDWAN.	Rajmehal ...	2.50	Not received	20.40	18th June 1871.	
	Pakoor ...	0.60	7.20	10.80	2nd July 1871.	
	Purneah ...	3.25	5.30	22.16	ditto.	
	Kishengunge ...	1.34	3.25	7.27	ditto	
	Arraria ...	Not received	6.97	6.97	ditto	
	Rampore Beauleaf ...	1.06	5.56	21.38	ditto	
	Nattore ...	1.50	4.5	26.44	ditto.	
	Bograh ...	1.46	13.85	44.98	ditto.	
	Dinagepore ...	2.64	6.23	20.43	ditto.	
	Maldah ...	1.40	2.50	16.71	2nd July 1871.	
CONTAL.	Berhampore ...	3.14	6.37	20.71	ditto.	
	Jungipore ...	8.17	4.44	25.17	ditto.	
	Lalbagh ...	3.61	5.88	20.58	ditto	
	Jamookandi ...	2.27	3.19	18.59	ditto	
	Pubra ...	1.45	6.30	32.33	ditto.	
	Coomercolly ...	Not received	Not received	5.02	23rd April 1871.	
	Serajgunge ...	1.80	9.8	38.48	2nd July 1871.	
	Rangpore ...	1.30	1.60	33.00	ditto.	
	Bhowanigunge ...	0.18	Not received	30.60	25th June 1871.	From 22nd Jan.
	Titalya ...	0.66	3.83	23.09	2nd July 1871.	
BURDWAN.	Burdwan ...	1.14	6.53	23.75	ditto.	
	Cutwa ...	2.02	2.80	22.15	ditto.	
	Culna ...	1.52	4.03	29.54	ditto.	
	Bood-Bood ...	3.29	3.62	24.45	ditto.	
	Bancoora ...	2.48	4.63	27.29	ditto.	
	Raneegunge ...	2.73	2.86	18.39	ditto.	
	Sooree ...	2.16	3.65	18.67	ditto.	
	Hooghly ...	3.48	8.02	33.47	ditto.	
	Seraumpore ...	1.92	7.19	28.75	ditto	
	Jehanabad ...	1.9	7.04	24.44	ditto	
CONTALE.	Iowran ...	4.46	5.84	48.99	ditto.	
	Midnapore ...	1.29	3.26	28.63	ditto.	
	Contai { Dy. Collr.'s Office ...	1.40	6.72	30.51	ditto.	
	Engr.'s Office ...	2.58	Not received	30.43	25th June 1871.	
CONTALE.	Gurbetta ...	2.03	7.05	26.27	2nd July 1871	From 6th Feb.
	Tumlock ...	1.90	8.03	41.41	ditto.	

DIVISIONS.	Stations.	Rainfall from 19th to 25th June 1871.	Rainfall from 26th June to 2nd July 1871.	RAIN FROM 1ST JANUARY 1871.		REMARKS.
				Rain.	Up to date.	
PRESIDENCY.	Kishnaghur	1.20	6.48	28.38	2nd July 1871.	
	Bongong	1.24	4.11	36.53	ditto.	
	Ranaghat	0.82	3.69	29.33	ditto.	
	Meherpore	1.98	4.23	24.57	ditto.	
	Choondangah	2.15	5.10	38.10	ditto.	
	Kooshteah	1.55	5.82	42.92	ditto.	
	Jessore	4.33	7.33	42.84	ditto.	
	Khoonah	6.15	5.57	37.19	ditto	From 16th Feb.
	Jenidah	3.04	Not received	35.53	25th June 1871.	From 6th March.
	Nurail	1.37	ditto	27.94	ditto	From 3rd April.
	Magoorah	1.13	ditto	18.85	ditto	ditto.
	Bagirhaut	4.83	ditto	28.63	ditto	ditto.
	Saugor Island	1.50	6.60	41.40	2nd July 1871.	
	Calcutta	3.63	6.69	50.61	ditto.	
	Alipore { Jail	5.24	7.17	54.18	ditto.	
	Hospital...	5.16	7.49	52.85	ditto.	
	Barrackpore	3.31	Not received	37.27	25th June 1871.	
	Dum-Dum	2.59	ditto	30.92	ditto.	
	Baraset	3.42	ditto	25.30	ditto.	
	Satkherah	4.24	ditto	32.65	ditto.	
	Busseerhaut	3.39	ditto	32.48	ditto.	
Dacca.	Diamond Harbour	4.25	ditto	40.49	ditto.	
	Barriporo	2.34	ditto	39.02	ditto.	
	Dacca { Telegraph Office	1.05	12.94	48.87	2nd July 1871.	
	Jail	1.00	Not received	34.80	25th June 1871.	
	Burrisaul	6.73	7.84	47.58	2nd July 1871.	
	Dowlat Khan	7.72	10.55	43.78	ditto.	
	Perozepore	2.71	5.52	39.87	ditto.	
	Madariapore	2.65	9.12	39.11	ditto.	
	Furredpore	2.66	12.53	51.32	ditto.	
	Goalundo	1.92	9.67	21.71	ditto	From 5th June.
	Mymensing	3.57	6.02	53.75	2nd July 1871.	
	Jamalpore	Not received	10.43	32.38	ditto	Not received 19th to 25th June.
	Atteah	2.60	24.29	64.51	ditto.	
	Kishoregunge	3.53	7.01	60.22	ditto.	
	Sylhet	3.07	4.07	59.97	2nd July 1871.	
CHITTAGONG.	Cacher	1.54	Not received	38.36	25th June 1871.	
	Hylakandy	2.67	ditto	44.87	ditto.	
	Koyah	3.57	ditto	48.40	ditto	Not received 12th to 18th June.
	Chittagong { Telegraph Office	2.60	16.69	51.59	2nd July 1871.	
	Jail	2.18	15.80	55.61	ditto.	
	Cox's Bazar	Not received	Not received	59.03	18th June 1871.	
	Rangamata Hill	3.15 *	ditto	38.80	25th June 1871.	
	Noakhally	4.83	14.20	57.34	2nd July 1871.	
	Tipperah	2.42	6.28	50.60	ditto.	
	Brahmanbariah	2.06	9.45	52.95	ditto.	
COOCH BEHAR.	Akyab	9.30	20.60	92.90	2nd July 1871.	
	Buxa	2.05	20.14	63.32	ditto.	
	Gowalparah	4.42	5.35	51.45	ditto.	
	Dhoobree	1.20	3.99	34.06	2nd July 1871	Not recorded 27th Feb. to 5th March.
	Tura (Garo Hills)	1.72	Not received	37.23	25th June 1871.	
	Darjeeling { Telegraph Office	Not received	ditto	15.95	31st May 1871.	
	Jail	7.46	9.53	38.93	2nd July 1871.	
	Rungbee	Not received	Not received	28.99	31st May 1871.	
	Falacottah	0.60	2.41	22.85	2nd July 1871.	
	Julpingooree	2.64	3.58	30.82	ditto.	
ASSAM.	Boda	0.95	4.98	27.44	ditto.	
	Tezpose	3.44	Not received	36.74	25th June 1871.	
	Nowgong	3.94	ditto	28.69	ditto.	
	Mungledye	3.25	ditto	31.91	ditto	From 30th Jan.
	Burpettah	1.50	ditto	30.79	ditto.	
	Gowhatta	1.35	ditto	27.74	ditto.	
	Seebasugor	2.58	ditto	37.18	ditto.	
	Jorehaut	2.68	ditto	30.98	ditto	From 27th Feb.
	Golaghat	1.23	ditto	44.22	ditto.	
	Nazearah*	0.75	ditto	38.96	ditto.	
CALCUTTA,	Debrooghur	2.67	ditto	43.78	ditto.	
	Suddya	Not received	ditto	35.50	18th June 1871.	
	Shillong	1.01	ditto	31.50	25th June 1871.	
	Cherrapoonjee	4.56	ditto	117.40	ditto	From 18th Feb.
	Jowai	2.30	ditto	53.35	ditto.	
	Samoogoodting	Not received	ditto	18.77	18th June 1871	

HENRY F. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,  
The 8th July 1871.

## Abstract of Observations as received in the Meteorological Reporter's Office, Calcutta,

DURING THE HALF MONTH 1ST TO 15TH MAY 1871.

N.B.—The Barometric data are reduced for temperatures, and not for height above sea-level.

STATIONS,	BAROMETER.						THERMOMETER.						HUMIDITY.						RAINFALL.							
	MEAN OF			SOLAR RADIATION.			MEAN OF			HIGHEST MAX.			MEAN OF			MEAN OF			IN INCHES.			NO. OF DAYS.				
	4 hours.	10 hours.	16 hours.	Mean.	Max.	Min.	Day.	Θ	Day.	Θ	Day.	Θ	Day.	Θ	Day.	Θ	Mean.	4 hours.	8 hours.	16 hours.	24 hours.	16 hours.	24 hours.	32 hours.		
Port Blair	110	Not received.	29-817	29-635	29-722	122	121-8	8th	120-0	"	1st	117-0	"	69-3	"	92-9	90-3	"	8th	106	12th	73-8	70	57	0-31	
Madras	27	28-756	29-700	29-637	29-722	114	121-8	...	...	...	89-1	11-2	77-9	85-1	85-2	87-9	88-5	87-7	84-2	90-7	171	6th	75	71	1-20	
Vizagapatam	31	29-713	29-738	29-634	29-781	104	104	...	...	...	99-1	...	99-1	98-5	85-5	83-1	83-1	84-9	87-5	87-5	7th	102-0	...	82	86	
Akyab	15	29-769	29-765	29-730	29-781	107	107	...	...	...	127	163-5	167-0	147-0	139-0	139-0	139-0	139-0	89-5	89-5	89-5	15th	80-7	14th	73-5	83
False Point	18-7	29-758	29-741	29-730	29-782	107	107	...	...	...	127	163-5	167-0	165-0	145-0	145-0	145-0	145-0	87-2	87-2	87-2	15th	89-3	14th	79	89
Cuttack	80	29-653	29-656	29-702	29-675	113	141-8	2nd	120	120	120	120	120	120	120	120	120	120	120	120	15th	89-0	14th	87-8	93	
Saugor Island	6	29-733	29-721	29-754	29-671	29-755	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	11th	89-0	10th	79	87
Chittagong	108	29-679	29-655	29-725	29-628	29-700	107	153-0	13th	153-0	107	143-0	143-0	143-0	143-0	143-0	143-0	143-0	143-0	143-0	143-0	10th	87-8	9th	79	85
Calcutta	18-11	29-718	29-719	29-775	29-652	29-737	123	144-9	15th	152-0	142-0	142-0	142-0	142-0	142-0	142-0	142-0	142-0	142-0	142-0	13th	87-8	12th	79	86	
Jessore	27	29-715	29-706	29-733	29-640	29-739	114	148-6	1st	153-0	136-7	136-7	136-7	136-7	136-7	136-7	136-7	136-7	136-7	136-7	15th	93-0	14th	78	86	
Dacca	35	29-715	29-703	29-732	29-643	29-731	139	147-0	9th	153-0	154-0	154-0	154-0	154-0	154-0	154-0	154-0	154-0	154-0	154-0	10th	97-0	9th	78	86	
Caclar	73	29-676	29-681	29-732	29-652	29-652	114	148-6	14th	163-0	163-0	163-0	163-0	163-0	163-0	163-0	163-0	163-0	163-0	163-0	10th	96-0	9th	78	85	
Hazaribagh	20-14	27-729	27-708	27-775	27-661	27-736	114	155-5	6th	163-0	163-0	163-0	163-0	163-0	163-0	163-0	163-0	163-0	163-0	163-0	10th	87-5	9th	73	81	
Berhampore	80	29-002	29-053	29-722	29-590	29-885	132	147-2	18th	163-0	163-0	163-0	163-0	163-0	163-0	163-0	163-0	163-0	163-0	163-0	11th	86-0	10th	71	72	
Gya	400	29-540	29-520	29-608	29-471	29-560	137	149-7	1st	152-0	161-0	161-0	161-0	161-0	161-0	161-0	161-0	161-0	161-0	161-0	12th	89-0	11th	63	70	
Patna	178	29-550	29-555	29-607	29-472	29-505	135	152-1	13th	162-0	162-0	162-0	162-0	162-0	162-0	162-0	162-0	162-0	162-0	162-0	1st	86-0	2nd	63-4	70	
Monghyr	160-14	23-312	23-384	23-343	23-297	23-358	146	190-6	14-15th	163-2	163-2	163-2	163-2	163-2	163-2	163-2	163-2	163-2	163-2	163-2	10th	77-5	9th	63	70	
Darjeeling	6-945	29-348	29-303	29-415	29-265	29-358	150	145-7	10th	163-2	163-2	163-2	163-2	163-2	163-2	163-2	163-2	163-2	163-2	163-2	11th	67-2	10th	63	70	
Goalpara	386	29-348	29-303	29-415	29-265	29-358	117	143-8	6th	160-0	160-0	160-0	160-0	160-0	160-0	160-0	160-0	160-0	160-0	160-0	1st	107-0	10th	63	70	
Shillong	4-793	Not received.	29-461	29-452	29-452	28-777	28-795	117	143-8	6th	160-0	160-0	160-0	160-0	160-0	160-0	160-0	160-0	160-0	160-0	11th	65-7	10th	63	70	
Benares	262-74	28-814	28-811	28-875	28-875	28-777	28-795	117	143-8	6th	160-0	160-0	160-0	160-0	160-0	160-0	160-0	160-0	160-0	160-0	11th	65-7	10th	63	70	
Roorkee	879	...	...	...	...	...	...	3rd	137-0	9th	98-3	98-3	98-3	98-3	98-3	98-3	98-3	98-3	98-3	98-3	11th	93-5	10th	63	70	

HENRY F. BLANFORD,  
*Meteorological Reporter to the Govt. of Bengal.*CALCUTTA,  
The 6th July 1871.

*Mean Pressures and Temperatures of the preceding Table reduced to Sea Level, with Mean Wind Directions.*

STATIONS.	Mean barometric pressure reduced to sea level.	Mean temperature reduced to sea level.	WIND.		
			Proportional prevalence Max.=100.	Mean direction.	Mean direction.
Port Blair	...	Not received.			
Madras	29.783	88.2	44	S 71° E	
Vizagapatam	29.774	87.1	57	S 49° W	
Akyab	29.774	85.1	13	S 45° W	
False Point	29.777	85.5	75	S 40° W	
Cuttack	29.735	85.6	48	S 10° E	
Saugor Island	29.739	84.0	58	S 18° E	
Chittagong	29.790	82.1	18	N 68° W	
Calcutta	29.736	82.8	55	S	
Jessore	29.743	80.7	49	S 30° E	
Dacca	29.751	80.6	30	S 32° E	
Cachar	29.751	81.2	44	S 40° E	
Hazareebaugh	29.690	86.1	20	S 8° W	
Berhampore	29.745	80.8	29	N 68° E	
Gya	...	83.9	45	N 62° E	
Patna	29.725	80.2	55	N 55° E	
Monghyr	29.714	81.8	58	N 80° E	
Darjeeling	29.805	75.4	17	S 70° W	
Gowalparah	29.744	77.0	67	N 80° E	
Shillong	...	Not received.			
Benares	29.728	80.2	45	N 77° E	
Roorkee	29.695	85.3	48	S 50° E	

NOTE.

*Barometric Pressure.*—The pressures in column 2 of the above table for all stations below 500 feet are reduced from those given in column 3 of the table on the previous page by adding the weight of a column of air of the corresponding temperatures given in column 17. For stations of above 500 feet elevation, the reduction is made by Dippe's tables as given in Guyot's "Meteorological and Physical Tables."

*Temperature.*—The temperatures in column 3 are reduced from those in column 17, on the preceding page, by adding 1° Fahr. for every 350 feet.

*Wind Direction.*—The mean wind direction and its comparative prevalence are calculated from the whole number of wind observations recorded during the half-month. The latter is given as a percentage of the whole number of observations. The mean direction is calculated in the usual way by Lambert's formula.

The above being all comparable, afford the data for constructing a meteorological chart for the half-month, which shall show the isobaric and isothermal lines and the resultant wind directions, which last may be represented by arrows of varying length proportioned to the prevalence of the wind. To these may be added the rainfall from the previous tables.

CALCUTTA,  
The 6th July 1871.

HENRY F. BLANFORD,  
*Meteorological Reporter to the Govt. of Bengal.*

**Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 1st to 7th July 1871.**

Month.	Date.	Mean reduced barometer. Inches.	THERMOMETER.				Mean dry bulb.	Mean wet bulb.	Computed dew-point.	Mean degree of humidity.	WIND.			GENERAL REMARKS.	
			Highest reading.	Lowest reading.	Max. solar radiation.	Mean dry bulb.					Prevailing direction.	Max. pressure.	Daily velocity.	Rain.	
July ...	1st	29·608	87·5	76·4	143·5	80·3	80·3	77·7	75·9	0·87	S W, S S W & W by S	1·4	142·2	2·24	...
	2nd	29·555	80·5	75·5	...	78·1	77·1	76·4	75·5	0·95	W S W & W by S	...	159·9	1·01	○
	3rd	29·561	88·0	79·0	150·0	82·4	79·7	77·8	76·6	0·86	W by S & S by W	...	111·1	0·02	...
	4th	29·637	87·4	79·4	145·0	82·9	79·5	77·1	76·3	0·83	S by W, S S E & S by E	0·5	208·4	0·09	...
	5th	29·602	88·5	80·2	...	83·7	80·7	78·6	77·5	0·85	S S E & S by E	...	219·9	0·43	...
	6th	29·576	89·8	80·5	148·0	84·4	81·2	79·0	77·5	0·85	S by E & S	...	100·3	0·27	...
	7th	29·543	90·0	81·5	145·0	85·1	81·7	79·3	78·3	0·83	S by E & S	...	144·4	...	...

The mean barometer as likewise the dry and wet bulb thermometer means are derived from the twenty-four hourly observations made during the day.

The dew-point is computed with the Greenwich constants.—The figures in column 10 represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is  $1\frac{1}{2}$  feet, and that of the anemometer 70 feet 10 inches, above the level of the ground.—The velocity of wind, as indicated by Robinson's anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	...	14·5
The max. temperature during the past seven days	...	90·0
The max. temperature during the corresponding period of the past year	...	91·0
The mean humidity during the past seven days	...	0·86
The mean humidity during the corresponding period of the past year	...	0·82
Inches.		
The total fall of rain from 1st to 7th	...	4·06
{ by lower rain gauge	...	3·72
{ by anemometer gauge	...	3·32
Ditto ditto average of seventeen previous years	...	52·37
Ditto between the 1st January and the 7th July	...	27·22
Ditto ditto ditto, average of seventeen previous years...	...	

GOPEENAUTH SEN,

In charge of the Observatory.

The 8th July 1871.

No. 29

of 1871



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JULY 19, 1871.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.*

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### Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

*Wednesday, the 12th July 1871.*

#### Present:

HIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL, presiding.

J. GRAHAM, ESQ., Advocate-General.

A. R. THOMPSON, ESQ.,

S. C. BAYLEY, ESQ.,

V. H. SCHALCH, ESQ.,

C. E. BERNARD, ESQ.,

MOULVY ABDOOL LUTEEF, KHAN BAHADOOR,

RAJAH JOTEENDRO MOHUN TAGORE, BAHADOOR,

T. H. WORDIE, ESQ.,

and

BABOO DIGUMBER MITTER.

MR. SCHALCH moved that the report of the select committee on the Bill "to provide for local rating for the construction and maintenance of roads and other means of communication," be further considered in order to the settlement of the clauses of the Bill.

The motion was put and agreed to.

The postponed section 8 having been read—

MR. SCHALCH said, he had explained at the last meeting of the Council the objects proposed to be attained by the amendment of which he had since given notice, namely, that it would enable holders of estates or tenures summarily valued by the collector to ascertain the basis upon which they themselves could

calculate the demand which they would have to make on their under-tenants for their proportion of the cess; because in the absence of some such provision, no return having been given in, there would be no data upon which they could ascertain the value of the under-tenures. It was now proposed, that as the collector in summarily valuing an estate would determine the value to be in a permanently settled estate three times, and in a temporarily settled estate twice the annual revenue or rent, so the holder of an estate should similarly be allowed to determine the gross value of any tenure under him to be a certain multiple of the rental of that tenure. The simplest mode of expressing this would be to say that the same multiple which the collector took in assessing the holder of an estate should be the measure for assessing the under-tenure. But it was well known that the rent borne by any tenure always bore a larger proportion to the gross rental than that which in most cases the Government revenue bore; therefore it would be but fair to use in the case of under-tenures, not the same but a somewhat less multiple. Accordingly, it was now proposed that the zemindar should be allowed to assess his under-tenant at one-half the multiple on which he was assessed by the collector. It was also proposed, in those small estates in which the acreage was known, that the collector might, instead of assessing on a multiple of the sudder jumma, assess at an average rate per acre, and in that case the zemindar would have the right to assess at exactly the same value. As provision had been made that the zemindar might within one month of the collector's ascertaining the valuation give in a return, and that return would be taken as the basis of the assessment; so in the same way an under-tenant might also, if he thought the calculation made by the zemindar too heavy, give in a return to the collector of the gross assets of his under-tenure, and that also would be accepted; and he was allowed to do that within one month from the date of the demand made on him for his share of the road cess.

MR. RIVERS THOMPSON said, the object of the section under consideration was to facilitate the valuation of small and petty estates, and the arrangement was that the collector should make the valuation himself under certain rules laid down, namely, that in permanently settled estates the annual value was to be taken at three times, and in temporarily settled estates at twice the amount of the annual revenue or rent.<sup>1</sup> He was given to understand that, in districts like Chittagong, the valuation at that rate would be very much in excess of what the estates could bear, and that such a rule, so far from facilitating the assessment of the rate, would have the result of compelling the parties who had been assessed in the manner prescribed, to come in with their returns showing a smaller valuation, and the whole work would thus have to be done over again. He would therefore suggest whether, instead of having a hard-and-fast line of valuation, it would not be better to give a discretion to the collector by permitting him to make the valuation, in cases like those under consideration, at a sum *not exceeding* three times and twice the revenue or rent.

MR. SCHALCH said, it was with reference to the case of the Chittagong and adjoining districts that he proposed to give the collector the option of valuing estates on the acreage, because both in Chittagong, as well as in Sylhet and Cachar, which were the only three districts in which these numerous small tenures were held, all the estates had been surveyed, and there would be no difficulty in making the valuation on the acreage: the quality of the land also was nearly the same in all the estates, and was pretty well known. He thought, therefore, that the case of the Chittagong and similar districts was quite met by the provision for the valuation by acreage. It seemed, however, a matter for consideration whether we should bind the collector to one hard-and-fast line or give him a certain discretion. If the collector were to value some estates at a higher valuation than others, there might perhaps be the idea—though it would perhaps be merely an idea—that the inequality of assessment was due to the influence of the amlah, and there would be dissatisfaction. Otherwise he (Mr. Schalch) had no objection to the amendment.

After some conversation the section was amended so as to stand thus:—

"Whenever the revenue annually payable in respect of any estate, or the rent annually payable in respect of any tenure, shall not exceed the sum of one hundred rupees, the collector may, without

issuing any notice for such estate or tenure, determine the annual value of the land comprised therein to be in a permanently settled estate a sum not exceeding three times, and in a temporarily settled estate or tenure twice, the amount of the annual revenue or rent payable therefor; and when the acreage thereof has been ascertained, to be at such rate per acre as to him may seem fit. When the land comprised in any estate or tenure has been valued by the collector under this section, the annual value of any portion of such land which is comprised within a subordinate tenure shall be taken to be half the same multiple of the rent payable in respect thereof as the annual value of the whole of such land is of the revenue or rent payable as aforesaid, or shall be at the same rate per acre as the whole of such land; provided that the holder of any such estate or tenure may, within one month from the posting of the valuation roll in respect thereof under section XVII., and the holder of such subordinate tenure may within one month from the date of the first demand made on him for payment of road cess, lodge a return in the form in schedule (A) contained in regard to such estate or tenure or subordinate tenure, and thereupon the annual value of the land comprised therein shall be fixed at the amount entered in such return, subject to the provisions of sections XII. and XIV. Or the collector may, if he think fit, cause a notice to be served in respect of any such estate or tenure in form in schedule (A) contained, and thereupon all the provisions of this Part shall apply in the same way as they would have applied if the annual Government revenue or rent thereof had exceeded one hundred rupees."

Section 22 was agreed to with a verbal amendment.

Section 23 was agreed to.

Section 24 was agreed to with a verbal amendment.

Section 25 was agreed to with verbal amendments.

Section 26 was agreed to.

Section 27 was agreed to with a verbal amendment.

Section 28 having been read—

THE PRESIDENT said he had one or two remarks to make in reference to this section. Objection had been taken to this portion of the Bill by the board of agency of the East Indian Railway Company. The answer which he had caused to be sent to the communication of the board had been circulated to the members of the Council. He might mention that he had this morning received a letter from the agent to the Eastern Bengal Railway Company, couched in similar terms to that which had been received from the board of agency of the East Indian Railway Company, to which His Honor had replied that he had been surprised to receive such an objection from a gentleman who of all others had been most justly pertinacious in urging upon the Government the necessity of constructing local roads as feeders to that railway. Mr. Prestage complained that railways were taxed, while steam navigation companies were not to be taxed, and that jute factories were not to be taxed. His Honor had told Mr. Prestage that he was so far mistaken that when this Bill would be passed into law the effect would be that jute factories would certainly be taxed, and also that the offices and yards of steam companies would be taxed. But it was difficult to tax steamers, as they used only the natural highways of navigation, that is to say, the great rivers, with regard to which there was no expenditure. It was different in the case of canals, which were the subject of heavy tolls. He thought that the representatives of the railway companies were of all people the most interested in the construction of local roads, and were most benefited by them; and he hoped, therefore, that they would not persist in their objections to this Bill. At the same time he had promised that their representations would be laid before the Council.

He had also received a petition from certain coal proprietors in Bengal which there had not been time to circulate, but, as we were at this stage of the Bill, he thought it was desirable that the secretary should read the petition to the Council.

The petition was then read:—

"TO HIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL IN COUNCIL.

The humble petition of the coal proprietors in Bengal—

SHEWETH :

That the Bill now before your honorable Council, to provide for local rating for the construction and maintenance of roads and other means of communication, should be amended as regards part III, sections XXVIII. to XXXVIII.

"Section XXVIII. enacts that in any district every mine, quarry, tramway, or railway, or other immovable property not included within the provisions of part II and part IV, shall be liable to the payment of a road cess at such rate not exceeding one-half anna on every rupee of the annual net profits of such mine, quarry, tramway, or railway or other property."

Your petitioners would point out the following objections to and reasons against taxing the profits of coal mines:—

1st.—Your petitioners are zemindars of land under some portions of which coal exists, and that the payment of the cess on land under part II is a sufficient and fair charge upon them, equitably

with other zamindars, for the construction and maintenance of the ordinary roads of the district. The surface of their coal fields is as available for cultivation as any other portion of the country, and a considerable portion is in point of fact at present under cultivation.

2nd.—Your petitioners do not generally use public roads for the purpose of despatching coal; they either construct their own railways and tramways, or use private roads to the line of railway, there being no internal traffic or trade in coal.

3rd.—That communications are already taxed in the coal districts as regards mines situated to the west of the Burdwan, where for crossing over the bridge a toll of two annas per cartload and one anna per cart returning empty is imposed. A cart holds about 12 maunds of coal; the tax is equal therefore to three pies per maund, or 11 per cent. on the value of the coal at the pit-mouth.

4th.—That by the Act for the construction of a bridge across the Hooghly it is proposed to impose a tax upon all coal brought to Howrah.

5th.—That foreign coal is imported free of duty, and owing to the opening of the Suez Canal English coal has been imported in large quantities, and that it is now selling here at a price little over that ruling for country coal.

6th.—That the proposed tax is an additional income tax in reality, and is not equally and fairly levied on the profits of other industrial enterprises, and is consequently unfair to the industrial enterprise of coal mining.

7th.—Lastly, that the imposition of a tax on coal is against all recognised principles of taxation, and in the case of India, where one or two districts, limited in area, supply coal to the whole of Bengal and the North-West Provinces, a tax on coal will fall on consumers, who will eventually have to pay for the support of local roads in these districts.

Your petitioners therefore pray that the Bill, as far as regards the taxing of the net profits of coal mines, be not passed into law.

And your petitioners as in duty bound will ever pray."

MR. WORDIE said, he begged to appear on the part of the proprietors of coal. At present the coal trade here was subjected to very serious competition from England and Australia. The difficulty of getting export cargo from home was now so great, that vessels readily accepted a rate of freight to bring out coal, which a few years ago would have been considered nominal, and he was not prepared to say that this state of things would not continue for some years to come. English coal had always a preference over indigenous coal at about the same value. During the last five months 25,500 tons of coal had been imported, against 17,700 tons in 1870; and so long as supplies were on this abundant scale, coal owners would find difficulty in paying their way. The petitioners stated that roads were not much needed in the districts for the transit of coal; the great bulk of it was put at the pit-mouth into wagons on tramways, and thence brought down by rail. At this season of the year a small quantity came by river, but the supply by that route was limited. The article itself was bulky and of small value; and looking to the tax to be put by this Bill on railways, it was not likely that a reduction would be made in the transit charge now levied, and which he believed was at the rate of three annas per maund for an article which sold for six annas in Calcutta, so that the carriage constituted fifty per cent. of the selling value. On arrival at Howrah coal would be subjected to a terminal charge for the Hooghly bridge, although neither directly nor indirectly would it get any benefit from a tax which was not borne by imported coal. Hitherto we had congratulated ourselves on the coal fields of this Presidency, and their possession had no doubt tended to the development of the trade of this port and the establishment of the jute and cotton manufactories in its vicinity.

He thought, therefore, the Council should be cautious in taking any steps which would tend to check the indigenous trade, or put a tax upon it which might result in throwing the industry into the hands of sea-borne coal.

THE PRESIDENT said, as respects the question of competition between sea-borne coal and indigenous coal, he need hardly say that in this country, on the principle of free trade, we wished to do equal justice to all, and he was not prepared at all to accept the argument that there is foreign competition as a reason for giving any advantages to indigenous produce which were not shared by all the other producing industries of the country. He might say that he was taken somewhat by surprise to hear that coal owners were threatened with increasing competition from sea-borne coal. He had been led to believe, from a statement lately made to him, that the increasing use of steam by vessels in consequence of the opening of the Suez Canal had turned out rather the other way. As the stowing bulk of steam vessels was less than that of sailing vessels, and they used their own coal, he thought that the practical effect of the opening

of the Suez Canal would be to diminish the quantity of imported coal thrown on the market. However, the hon'ble gentleman was much better informed on the subject than His Honor could be, but the question perhaps did properly enter into this argument.

With respect to English coal, it was undoubtedly subject to local rates and taxes in England, and that fact would undoubtedly cut away the ground of the petitioners when they asserted that the imposition of a tax upon coal was against all principles of taxation. The hon'ble gentleman must be well aware that English coal was undoubtedly subject to taxation of the very kind proposed by this Bill, and infinitely heavier in every part of England than any which we could venture to suggest in this country.

We must take this question upon its merits, without reference to the relative advantages in other respects of country or sea-borne coal. First, he must say that we had passed the preliminary section of this Bill, which asserted that a tax should be imposed upon all kinds of immovable property without any exception; and therefore His Honor's first objection was, that it was impossible to except coal mines without stultifying ourselves, when we had already declared that there should be no exception.

Then, as regards the particular points taken by the coal owners, he found that the first was that it would be sufficient if the tax was put upon the land they occupied, and not upon the value of their mineral: that would altogether stultify the object of the Bill. We knew perfectly well that there were enormously valuable coal-fields the surface value of which was next to nothing. Only the other day nearly ten lakhs of rupees were paid by Government for a piece of jungle land containing coal, which, taken on a surface valuation, would not be worth Rs. 50. He would say that it would be a perfect farce to tax the surface value of the land and not the enormous value of the mineral in the land, which is a fixed and immovable property.

Then, with regard to the statement that a rate on coal was against all principles of taxation, it seemed to His Honor that such a rate was imposed in all parts of the world. Coal owners and others must use roads and must cut up roads, and they ought therefore to contribute towards the construction and repairs of that which they used and help to wear out. He must also give a contradiction to the assertion that coal owners did not need roads, for he had received repeated applications for the construction of roads as feeders to railways for the purpose of conveying coal to the line of rail. He had only that morning had an application, that from the public funds land should be taken to construct a line of road to bring coal to the railway, the coal company on whose behalf that application was made offering to bear half the cost of construction. Although it was true that in many cases coal owners had made private roads for the conveyance of their coal to the line of rail, the hon'ble member must be aware that they had made these roads simply because there were no public funds available for their construction. But if this Bill was passed, coal owners would have a fair claim that a part of the money should be expended in making roads which would subserve their interests at the same time as those of other people. And as he had told the railway company so he told the coal owners, that they would benefit to an infinitely greater extent than the amount of the small cess they would have to pay.

The other objection taken, that in one particular place a toll is levied on coal coming to the rail, is *pro tanto* a reasonable objection; but His Honor must explain that the toll was levied on an imperial road and on an imperial bridge, made at an enormous expenditure of some thirteen or fourteen lakhs of rupees, and crossing a most difficult river. That was an imperial road and a bridge made with imperial funds, and coal owners were taxed because they had not contributed to the construction of that road and bridge. But as regards local roads and communications, it was not proposed to put on a toll in addition to a cess.

Then, with regard to the further objection that coal would pay a terminal charge in connection with the Hooghly bridge, he must admit that that was the objection he had most difficulty in meeting. That was a special and anomalous arrangement, and he was free to admit that it would be a some-

what hard case against coal owners to impose that toll upon them in addition to the cess under this Bill. He would however express the hope, which several hon'ble members entertained, that when that bridge was made it would pay so well that it would be unnecessary to resort to this special tax or terminal charge on coal. But in case that expectation should fail, he must console them with what they themselves seemed conscious of and stated in their seventh paragraph, that in the end the tax would not fall upon them but upon the consumers of coal. They stated precisely that the production of coal was confined to one or two districts, limited in area, which supply coal to the whole of Bengal and the North-Western Provinces, and that therefore the tax upon coal would fall upon consumers, who would eventually have to pay for the support of local roads in these districts. According to their own showing, therefore, coal owners would escape the tax, and it was quite fair that those consumers who benefited by the production of the coal should contribute towards the construction and maintenance of roads by which it was brought to market.

Under these circumstances, whilst admitting that in respect to the objection regarding the terminal charge on coal in connection with the Hooghly bridge, and in other respects, the prayer of the petitioners was entitled to great respect, he was not prepared to accept the deduction that coal mines should be exempted from the payment of road cess; and he must therefore hold that section 28 of the Bill should stand in its entirety.

MR. WORDIE said, he was not authorized to say that a change in the mode of assessment would meet the wishes of coal owners, but he thought they would prefer to have the tax on every hundred maunds of coal raised at the pit-mouth, to its being levied on the profits derived from coal. The use of roads or other communications would be the same to all whether a mine was worked to profit or not, and he thought it was treating all alike, and would make the cess fall easier to levy the tax on the quantity produced rather than on those merely who worked with success. He could not assert that coal owners would accept that arrangement, but he proposed for the consideration of the Council that the question should stand over for a week, by which time he would endeavour to ascertain the views of those interested in coal.

THE PRESIDENT said, he had no doubt that the Council would be prepared to give any such proposition which the hon'ble member may see fit to make on behalf of coal owners, a most careful and respectful consideration, and His Honor would undertake that there would be ample opportunity for proposing any amendment of this kind, if the hon'ble member should see fit to do so. But inasmuch as the 28th section of the Bill was a general section which covered all immovable property not included in parts II and IV, His Honor would propose that the section be passed, on the understanding that this proposition could be brought forward at the next meeting of the Council, after due notice.

The section was then agreed to.

Section 29 was agreed to with a verbal amendment.

Sections 30 and 31 were agreed to.

Section 32 was agreed to with a verbal amendment.

Section 33 having been read—

MR. SCHALCH said, he would point out that under the previous Part of the Bill, if a false return were given, the person giving it would be liable to be punished under the provisions of the Penal Code, whereas under the Part now under consideration no similar provision was made. Objection to this difference of procedure was taken by the British Indian Association; but it occurred to him that the provision under this Part was much more severe than that under Part II. It would be very rarely indeed that recourse would be had to a prosecution for false return under the Penal Code, whereas under the clause now before the Council the collector could at once make a re-valuation, whilst under the previous Part no re-valuation could be made until the collector obtained a conviction in a criminal court. There could be no doubt therefore that the provision under this Part regarding re-valuations was more severe, and would operate more generally and harshly than the provision under the previous Part of the Bill.

The section was then agreed to.

Sections 34, 35, and 36, were agreed to with verbal amendments.

Sections 37, 38, and 39, were agreed to.

Section 40 was agreed to with a verbal amendment.

Sections 41, 42, and 43, were agreed to.

Section 44 having been read—

MR. SCHALCH said there was considerable discussion in committee regarding this section. There would be no appeal from the valuations except in the case where, on the action of the superintendent, the original assessment was increased, it being considered that as the assessments would be made by the village punchayet, they should be accepted as a fair valuation. But there could be no doubt that it would be a long while before the village punchayets were established throughout Bengal, and therefore practically for some time the assessments would have to be made by the assessing officer appointed by the collector, whose assessments ought to be tested. A similar question occurred when the Village Chowkeedaree Bill was under discussion, and the way the matter was then settled was this. It was enacted that no appeal as of right would lie from the orders of the punchayet as regards the revision of the assessment, but that the magistrate might call for the general list of assessment, and should so call for such list on the application of ten rate-payers, and pass such orders on such list as he might think proper. He himself was not prepared to move any amendment, but he thought it right to bring this matter to the notice of the Council, with the view to enable them to determine whether any amendment should not be made in the section, and whether it might not be done by the substitution of some such provision as that to which he had referred in the Chowkeedaree Act.

After some conversation the section was agreed to with verbal amendments.

Sections 45 to 48 were agreed to with verbal amendments.

Sections 49 to 65 were agreed to.

Section 66 was agreed to with verbal amendments.

Sections 67, 68, and 69, were agreed to.

Section 70 was agreed to with a verbal amendment.

Section 71 was agreed to.

Section 72 was agreed to with a verbal amendment.

Sections 73, 74, and 75, were agreed to.

Section 76 having been read—

MR. SCHALCH said, in this provision considerable alteration had been made. When the Bill was introduced, it was observed by the hon'ble member opposite (Baboo Digumber Mitter) that a district would form too large an area to be a proper unit of assessment, and that more power should be given to branch committees. Accordingly, it had now been arranged that there should be one district committee and several branch committees in each district. Ordinarily, the branch committees would be subordinate to the district committee, but the Lieutenant-Governor might vest any branch committee with the full powers of the district committee, and then such branch committees would be independent of the district committee, and communicate directly with the commissioner of the division. He would move the addition to the section of the following words:—

"The said Lieutenant-Governor shall from time to time appoint or cause to be elected, under such rules in regard to qualification, election, and discharge as may by him be prescribed for such period not exceeding two years as to him may seem fit, to be members of a branch committee any number of the road cess payers of the portion of the district for which such branch committee shall be formed."

THE PRESIDENT said, he thought it would be better to keep the section as it is. Personally, his object and intention would be to make these branch committees as popular as it was possible to make them; but he submitted that it did not seem desirable to tie up the hands of the Lieutenant-Governor by limiting the qualification of the members of committees, and therefore, if the Council were willing to accept the view, that it should be left to the Lieutenant-Governor to appoint the committees under such general rules as he might prescribe, he would accept the minor amendment.

The motion was carried, and the section as amended was agreed to.

Section 78 related to the assignment of funds.

BABOO DIGUMBER MITTER said, as the assessment would be made for a whole district, there appeared to him to be no means of ascertaining the sums leviable within a particular portion of a district, and it would therefore be very difficult to make an assignment to a branch committee which should not exceed "the total proceeds of all cesses leviable within the said portion of the district." He therefore moved the omission of those words.

After some conversation the amendment was put to the vote, and the Council divided.

## AYE—1.

Baboo Digumber Mitter.

## NOES—9.

Mr. Wordie.  
Rajah Joteendro Mohun Tagore.  
Moulvi Abdool Lateef.  
Mr. Bernard.  
Mr. Schalch.  
Mr. Thompson.  
Mr. Fayley.  
The Advocate General.

The motion was therefore negatived.

The section was then passed with some verbal amendments.

Sections 79, 80, and 81, were agreed to with verbal amendments.

Sections 82 and 83 were agreed to.

Sections 84, 85, 86, 87, and 88, were agreed to with verbal amendments.

Section 89 was agreed to.

Section 90 was agreed to with a verbal amendment.

Sections 91 and 92 were agreed to.

Section 93 was agreed to with a verbal amendment.

Sections 94, 95, and 96, were agreed to.

Section 97 empowered the Lieutenant-Governor to prescribe rules for certain purposes.

On the motion of MR. SCHALCH, the "employment, election, qualification, and discharge of persons employed under the Act" was added to the purposes enumerated in the section.

Schedules A, B, C, and D, were agreed to with one or two verbal amendments.

Schedule E having been read.—

THE PRESIDENT said, this was a very important schedule, and it would be a matter for the consideration of the Council whether the rates prescribed by the schedule were proper rates of assessment on houses. In the communication which the hon'ble member on the right had made to the Council on behalf of the British Indian Association, objection was taken that the road cess on houses was too low. His Honor understood that the essence of that objection was that the cess on houses was not put at a sufficiently high rate. The general result of the schedule as it stood appeared to be that for every Rs. 1,000, or part thereof of the estimated value of the house, there should be levied a road cess of Rs. 2. He thought the letting value of houses might be estimated to be about ten per cent. of their capital value, and in that view he would take the letting value of a house that cost Rs. 1,000 to be Rs. 100: consequently, for every Rs. 100 of letting value, house-owners would pay Rs. 2, whereas other rate-payers were charged somewhat more than Rs. 3; and he was therefore inclined to ask the Council whether it would not be proper to substitute Rs. 3 for Rs. 2 in the case of houses whose value was estimated to be between Rs. 500 and Rs. 1,000, the average being Rs. 750; also, to substitute Rs. 4-8 for Rs. 3 as regards houses whose value was from Rs. 1,000 to 2,000, the average being Rs. 1,500; and to substitute Rs. 3 for Rs. 2 as the cess for every Rs. 1,000 above Rs. 2,000. In the case of houses of the value of from Rs. 100 to Rs. 500, the average of which was Rs. 250, he would let the cess remain as it stood in the Bill at Re. 1.

The schedule was passed after amendments to the above effect.

The postponed sections 1, 2, and 3, and the preamble and title, were then agreed to.

On the motion of MR. SCHALCH, a verbal amendment was then made in section 64.

\* The Council was adjourned to Wednesday, the 19th instant.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 8th July 1871, on 1,279½ miles open.

	COACHING TRAFFIC.			MERCHANTISE AND MINERAL TRAFFIC.			Total traffic receipts.	
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.			
		Rs. As. P.	£ s. d.		Rs. As. P.	£ s. d.		
Total traffic for the week ...	90,455	1,13,640 2 2	10,417 0 3	444,845 0	2,95,186 11 9	27,058 15 8	37,475 15 11	
Or per mile of railway ...		88 15 1	8 2 10	.....	230 11 3	21 2 11	29 5 9	
For previous 1 day of half-year ...	16,596	21,948 3 6	2,011 18 5	57,259 0	32,745 3 0	3,001 12 10	5,013 11 3	
Total for 8 days ...	107,051	1,35,588 5 8	12,428 18 8	409,104 0	3,27,931 14 9	30,060 8 6	42,489 7 2	
<b>COMPARISON.</b>								
Total for corresponding week of previous year ...	100,697	1,15,548 5 5	10,591 18 7	633,650 0	3,80,983 10 1	34,923 10 0	45,515 8 7	
Per mile of railway corresponding period of previous year ...	.....	102 1 11	9 7 3	.....	336 11 4	30 17 3	40 4 6	
Total to corresponding date of previous year ...	129,467	1,48,562 2 5	13,618 3 11	814,704 0	4,89,836 1 7	44,901 12 10	58,519 16 9	

\* Rs. 5,063-10-3 added on account of freight of locomotive coal carried on Jubbulpore line.

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 8th July 1871, on 223 miles open.

	Rs. As. P.			£ s. d.			£ s. d.	
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.			
		Rs. As. P.	£ s. d.		Rs. As. P.	£ s. d.		
Total traffic for the week ...	4,508	11,415 4 7	1,046 8 1	32,822 0	9,431 15 0	864 11 10	1,910 19 11	
Or per mile of railway ...	163	51 3 0	4 13 10	.....	42 4 9	3 17 7	8 11 5	
For previous 1 day of half-year ...	642	1,508 11 10	138 6 0	4,828 20	1,312 14 0	120 7 0	258 13 0	
Total for 8 days ...	5,150	12,924 0 5	1,184 14 1	37,650 20	10,744 13 0	984 18 10	2,169 12 11	
<b>COMPARISON.</b>								
Total for corresponding week of previous year ...	3,717	8,990 5 5	824 2 3	26,212 20	8,217 6 3	753 5 3	1,577 7 6	
Per mile of railway corresponding week of previous year ...	.....	40 5 1	3 13 11	.....	36 13 7	3 7 7	7 1 6	
Total to corresponding date of previous year ...	4,779	11,559 0 1	1,059 11 6	33,701 20	10,565 3 5	968 9 7	2,028 1 1	

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended the 8th July 1871, on 156½ miles open.

	Rs. As. P.			£ s. d.			£ s. d.	
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.			
		Rs. As. P.	£ s. d.		Rs. As. P.	£ s. d.		
Total traffic for the week ...	25,481	15,372 15 0	1,409 3 9	63,776 20	26,514 7 1	2,430 9 9	3,839 13 6	
Or per mile of railway ...	163	98 3 8	9 0 1	408 0	169 6 9	15 10 7	24 10 8	
For previous 1 week of half-year ...	5,456	3,224 11 3	295 11 10	21,114 13	4,539 9 11	416 2 8	711 14 6	
Total for 2 weeks ...	30,937	18,597 10 3	1,704 15 7	84,890 33	31,054 1 0	2,846 12 5	4,551 8 0	
<b>COMPARISON.</b>								
Total for corresponding week of previous year ...	26,483	13,208 5 6	1,210 15 4	133,854 11	21,586 1 6	1,978 14 6	3,189 9 10	
Per mile of railway corresponding week of previous year ...	234	116 10 1	10 13 10	1,182 0	190 9 8	17 9 5	28 3 3	
Total to corresponding date of previous year ...	34,623	17,604 2 7	1,619 4 4	173,742 10	28,182 5 10	2,583 7 8	4,202 12 0	

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 8th July 1871, on 28 miles open.

	Rs. As. P.			£ s. d.			£ s. d.	
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.			
		Rs. As. P.	£ s. d.		Rs. As. P.	£ s. d.		
Total traffic for the week ...	4,810	725 3 3	72 10 5	7,094 0	242 11 9	24 5 6	96 15 11	
Or per mile of railway ...	172	25 14 5	2 11 10	153 14	8 10 9	0 17 4	3 8 12	
For previous 14 weeks of half-year ...	99,604	18,973 10 9	1,897 7 4	153,194 10	4,405 8 3	440 11 1	2,337 18 5	
Total for 15 weeks ...	104,414	19,698 14 0	1,969 17 9	160,288 10	4,648 4 0	464 16 7	9,434 14 4	
<b>COMPARISON.</b>								
Total for corresponding week of previous year ...	5,692	1,078 9 9	107 17 3	10,216 32	324 7 0	32 8 11	140 6 2	
Per mile of railway corresponding week of previous year ...	203	38 8 4	3 17 1	365 0	11 9 5	1 3 2	5 0 3	
Total to corresponding date of previous year ...	67,743	14,930 4 9	1,493 0 8	162,737 4	5,747 8 0	574 15 0	2,067 15 8	

## Meteorological Telegraphic Report for the period 9th to 15th July 1871.

STATION	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat. = 100	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	July 9th	10	29·569	29·587	82·5	80·2	89	S	...	0·03	.....	o
		16	29·493	29·511	84·3	81·5	87	S by E	...	0·04	.....	o
	10th	10	29·581	29·599	86·2	83·2	87	...	...	...	K	....
		16	29·494	29·512	83·8	82·0	91	S E	...	0·10	....	o
	11th	10	29·562	29·580	85·3	81·0	81	S by E	...	0·26	K, CK	....
		16	29·487	29·485	89·0	81·4	71	S by W	...	...	....	o
	12th	10	29·618	29·634	82·0	79·2	87	S	...	0·46	S	....
		16	29·556	29·574	85·4	80·5	79	S by E	...	...	S	....
	13th	10	29·715	29·733	80·3	78·8	93	S	...	1·37	....	o, d
		16	29·641	29·659	80·5	78·0	88	S	...	0·04	....	o
	14th	10	29·714	29·732	85·3	81·0	85	S S W	...	...	CK	....
		16	29·575	29·593	87·6	82·7	80	..	...	...	C	clouds from SSW
	15th	10	29·618	29·636	86·5	82·0	85	..	...	0·43	S	....
		16	29·504	29·522	87·0	83·0	83	..	...	...	S	....
SAUGOR ISLAND.	9th	10	29·562	29·568	85	82	87	S	8·3*	0·30	N	b, w
		16	29·502	29·508	87	83	83	E S E	6·3*	..	N	b, u
	10th	10	29·582	29·588	87	83	83	S S E	3·6*	..	N	o
		16	29·496	29·502	86	82	83	..	9·2*	..	N	o, u
	11th	10	29·577	29·583	83	81	91	W S W	5·9*	1·80	N	d, o, u
		16	29·506	29·512	85	83	91	S	4·4*	..	N	o, u
	12th	10	29·640	29·646	81	79	91	..	4·9*	2·30	N	o, u, v
		16	29·574	29·580	84	81	87	S E	4·3*	0·10	N	o, u, v
	13th	10	29·730	29·736	85	82	87	S S E	12·8*	0·10	N	o, p, u
		16	29·630	29·636	82	81	95	S E	12·7*	0·40	N	d, o, u
	14th	10	29·735	29·741	87	83	83	S S W	14·7*	0·10	N	m, o
		16	29·606	29·612	87	83	83	..	16·5*	..	N	m, o
	15th	10	29·675	29·681	86	83	87	S	19·0*	0·30	N	m, o, u
		16	29·536	29·532	87	83	83	..	14·3*	..	N	m, o
CHITTAGONG.	9th	10	29·561	29·671	85	80	79	E S E	6·2*	..	K, CK	b
		16	29·517	29·628	81	78	86	S E	14·7*	..	..	d
	10th	10	29·587	29·697	85	80	79	..	5·2*	0·0	CK, KS	b, v
		16	29·472	29·582	81	78	86	S W	11·0*	0·40	KS K,	p, v
	11th	10	29·552	29·662	83	81	91	E S E	5·0*	0·10	KS	p, v, b
		16	29·477	29·586	83	80	87	S E	10·2*	..	K, KS	p
	12th	10	29·635	29·746	84	79	79	S E	6·5*	0·10	K, KS	b, v
		16	29·587	29·697	82	79	87	S W	13·8*	..	N	d, p, u
	13th	10	29·754	29·866	79	77	90	S S E	7·5*	1·20	N	d, u
		16	29·643	29·752	86	81	79	S W	9·4*	..	K	b
	14th	10	29·708	29·819	81	78	86	S	6·3*	0·80	N	r, u
		16	29·587	29·697	82	79	87	S W	11·9*	1·10	CK, CS	d
	15th	10	29·635	29·747	75	75	100	E S E	7·2*	2·30	N	r, o, q
		16	29·542	29·653	81	79	95	S	7·7*	1·30	KS	p, v
MADRAS.	8th	10	29·677	29·707	93	75	40	W S W	14*	..	....	bc
		16	29·583	29·613	89	78	59	E N E	9*	..	....	bc
	9th	10	29·723	29·753	93	75	40	W S W	12*	..	....	bc
		16	29·611	29·641	86	78	68	E	11*	..	....	bc
	10th	10	29·728	29·756	92	74	39	S W by W	14*	..	....	bc
		16	29·698	29·698	87	77	61	E S E	8*	..	....	bc
	11th	10	29·715	29·745	91	75	44	S W	11*	..	....	bc
		16	29·575	29·605	89	80	66	E by S	11*	..	....	bc
	12th	10	29·710	29·740	90	74	44	S W by S	12*	0·01	....	bc
		16	29·602	29·632	73	76	43	S S W	8*	..	....	bc
	13th	10	29·755	29·785	80	70	58	..	8*	4·20	....	bc
		16	29·642	29·672	86	78	68	E S E	13*	..	....	bc
	14th	10	29·803	29·833	87	78	65	S W	8*	..	....	bc
		16	29·688	29·718	86	78	68	S E by E	9*	..	....	bc
	15th	10	Not received.				..	..	..	..	....	....
CUTTACK.	9th	10	29·533	29·615	85	81	83	S S W	0·1*	0·80	N	o, r
		16	29·445	29·527	86	80	75	S	0·3*	..	KS, N	u, t
	10th	10	29·550	29·632	86	80	75	W S W	0·2*	0·60	N	Cloudy.
		16	29·445	29·527	88	81	72	..	0·4*	..	N	o
	11th	10	29·585	29·617	83	79	83	W N W	0·3*	2·70	KS	e, r
		16	29·455	29·537	88	80	69	S S W	0·4*	..	N	Cloudy
	12th	10	29·553	29·635	83	80	87	S E	0·2*	..	N	o
		16	29·510	29·592	84	80	83	S	0·4*	..	N	e
	13th	10	29·657	29·740	81	79	91	S S W	0·3*	0·40	KS, N	e, r
		16	29·580	29·662	85	80	79	..	0·5*	..	KS	Cloudy
	14th	10	29·670	29·752	88	82	76	..	0·5*	..	KS	b
		16	29·655	29·637	86	81	70	S W	10*	..	N, C	....
	15th	10	Not received.				..	..	..	..	....	....
ARYAB.	9th	10	29·690	29·705	81	79	91	S	1	0·90	K	g
		16	29·611	29·626	79	77	90	..	1	..	K, KS	g
	10th	10	29·698	29·713	78	76	90	S E	1	2·60	KS, N	r
		16	29·597	29·612	79	77	90	S	1	0·70	K	g
	11th	10	29·660	29·675	81	79	91	S S E	1	0·60	K	g
		16	29·607	29·622	79	77	90	S S W	1	0·20	KS, N	g
	12th	10	29·751	29·766	77	75	90	S E	1	2·60	KS, N	r
		16	29·698	29·713	78	76	90	S S E	1	1·40	N	r
	13th	10	29·824	29·839	79	76	86	..	1	1·20	K, KS, N	r
		16	29·743	29·758	80	78	91	S S W	1	0·40	K	g
	14th	10	29·822	29·837	80	78	91	S	1	2·00	KS	g
		16	29·720	29·735	81	79	91	W S W	1	0·60	KS, N	r
	15th	10	Not received.				..	..	..	..	....	....

\* Velocity of wind in miles per hour.

CALCUTTA,  
The 15th July 1871.HENRY F. BLANFORD,  
Meteorological Reporter to the Government of Bengal.

**Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.**

DIVISIONS.	Stations.	Rainfall from 28th June to 2nd July 1871.	Rainfall from 3rd to 9th July 1871.	RAIN FROM 1ST JANUARY 1871.		REMARKS.
				Rain	Up to date.	
CUTTACK.	Cuttack { Telegraph Office ...	4'50	3'30	26'98	9th July 1871.	
	Jail ...	2'67	Not received	20'70	2nd July 1871.	
	False Point ...	3'45	0'40	27'10	9th July 1871.	
	Jajipore ...	4'62	Not received	23'43	2nd July 1871.	
	Kendraparah ...	2'80	ditto	20'50	ditto.	
	Jugutsingapore ...	1'60	ditto	20'53	ditto.	
	Sumbupore ...	Not received	ditto	10'55	25th June 1871	Not received 15th to 21st May.
	Balasore ...	1'26	0'74	24'36	8th July 1871.	
	Bhuddruck ...	1'00	3'39	23'45	ditto.	
	Pooree ...	0'89	Not received	22'14	2nd July 1871.	
CHOTA NAGPORE.	Khoordah ...	Not received	ditto	21'43	25th June 1871.	
	Hazareebaugh ...	Nil	2'39	11'47	9th July 1871.	
	Burhee ...	1'64	3'54	16'03	ditto.	
	Pachamba ...	2'30	3'33	20'94	ditto.	
	Ranchee ...	.....	2'59	23'23	ditto.	
	Palamow ...	1'55	3'12	18'06	ditto.	
	Purulia ...	2'05	3'10	21'36	ditto.	
	Gobindpore ...	1'29	Not received	7'60	2nd July 1871	From 12th June.
	Chyebassa ...	2'32	2'43	21'50	9th July 1871.	
	Patna ...	9'25	1'79	19'55	ditto.	
PATNA.	Behar ...	4'33	2'29	14'96	ditto.	
	Barh ...	1'92	4'87	11'28	ditto.	
	Dinapore ...	10'51	0'69	17'26	ditto.	
	Gya ...	1'97	6'51	17'11	ditto.	
	Sherghatty ...	Not received	2'82	7'31	ditto	... Not received 12th June to 2nd July.
	Nowadah ...	ditto	3'11	9'11	ditto	... Not received 10th to 16th April and 12th June to 2nd July.
	Arungabad ...	1'19	0'84	7'76	ditto.	
	Chumparun ...	5'74	2'60	17'01	ditto.	
	Bettiah ...	4'26	2'30	12'66	ditto	... From 5th June.
	Chuprah ...	7'35	1'10	15'45	ditto.	
BHABHUPORE.	Sewan ...	4'08	Not received	15'71	2nd July 1871	
	Mozufferpore ...	8'45	4'00	23'98	9th July 1871.	
	Durbhangah ...	Not received	6'33	16'93	ditto	... Not received 15th to 21st May and 19th June to 2nd July.
	Seetamarree ...	5'00	6'90	23'36	ditto.	
	Tajpore ...	4'93	Not received	14'24	2nd July 1871	Not recorded 6th to 18th March.
	Mudhubani ...	6'20	3'24	18'02	9th July 1871	From 1st April.
	Hajipore ...	3'12	1'71	6'95	ditto	From 22nd May.
	Arrah ...	4'67	1'20	14'73	ditto.	
	Buxar ...	2'57	1'00	17'10	ditto.	
	Sassefam ...	2'47	Not received	7'29	2nd July 1871	
RAJSHAHIE.	Bhubhoohah ...	3'16	ditto	12'17	ditto.	
	Benares ...	1'00	1'50	13'13	9th July 1871.	
	Bhaugulpore ...	Not received	Not received	1'97	23rd April 1871.	
	Mudheypoarah ...	6'70	1'36	23'07	9th July 1871.	
	Banka ...	6'09	1'22	18'43	ditto.	
	Monghyr ...	6'19	1'52	16'76	ditto.	
	Jamooie ...	3'20	2'00	16'23	ditto.	
	Begoosari ...	2'62	1'69	14'13	ditto.	
	Deoghur ...	4'20	0'49	21'39	ditto.	
	Jamtara ...	4'53	0'50	21'83	ditto	From 13th Feb.
BARDWAJ.	Rajmehal ...	Not received	Not received	20'40	18th June 1871	From 12th Feb.
	Pakoor ...	7'20	2'25	13'05	9th July 1871	From 21st May.
	Purneah ...	5'30	2'02	24'18	ditto.	
	Kishengunge ...	3'25	Not received	7'27	2nd July 1871	From 12th June.
	Arraria ...	6'97	5'84	12'81	9th July 1871	From 26th June.
	Rampore Bealeah ...	5'56	3'19	26'87	ditto	... Not received 12th to 18th June.
	Nattore ...	4'65	1'82	28'26	ditto.	
	Bograh ...	13'85	Not received	44'98	2nd July 1871.	
	Dinagepore ...	6'23	1'62	31'05	9th July 1871.	
	Maldah ...	2'50	2'70	19'41	ditto.	
BURDWAN.	Berhampore ...	6'37	0'57	27'28	ditto.	
	Jungipore ...	4'44	0'27	25'44	ditto.	
	Lalbagh ...	5'38	0'47	21'00	ditto	... From 18th Jan.
	Jamookandi ...	3'19	1'04	19'63	ditto	... From 17th April.
	Pubna ...	6'30	0'30	32'63	ditto.	
	Coomercolly ...	Not received	Not received	5'02	23rd April 1871.	
	Serajunge ...	9'80	0'92	39'40	9th July 1871.	
	Rangpore ...	1'60	9'70	42'70	ditto.	
	Bhowanigunge ...	3'14	0'65	34'39	ditto	... From 22nd Jan.
	Titalya ...	3'83	4'97	28'06	ditto.	
BARDWAJ.	Burdwan ...	6'53	0'37	24'12	ditto.	
	Cutwa ...	2'80	1'10	23'25	ditto.	
	Culna ...	4'03	2'06	31'60	ditto.	
	Bood-Bood ...	3'62	1'32	25'77	ditto.	
	Bancoorau ...	4'63	0'95	28'24	ditto.	
	Raneegunge ...	2'86	0'66	19'05	ditto.	
	Sooree ...	3'65	1'47	20'14	ditto.	
	Hooghly ...	8'02	0'30	33'77	ditto.	
	Serampore ...	7'19	1'32	30'07	ditto	From 2nd March.
	Jehanabad ...	7'04	Not received	24'44	2nd July 1871	From 21st April.
CONTAL.	Howrah ...	5'84	2'29	51'28	9th July 1871.	
	Midnapore ...	3'26	4'32	32'95	ditto.	
	Contai { Dy. Colr.'s Office ...	6'72	0'90	31'41	ditto.	
	{ Engr.'s Office ...	6'67	0'90	38'00	ditto.	
GURBETTA.	Gurbetta ...	7'05	3'07	29'34	ditto	... From 6th Feb.
	Tumlook ...	8'03	Not received	41'41	nd July 1871.	

DIVISIONS.	Stations.	Rainfall from 28th June to 2nd July 1871.	Rainfall from 3rd to 8th July 1871.	RAIN FROM 1ST JANUARY 1871.		REMARKS.
				Rain.	Up to date.	
PRESIDENCY.	Kishnaghur	6.48	1.60	29.98	9th July 1871.	
	Bongong	4.11	1.72	38.25	ditto.	
	Ranaghat	3.89	1.98	31.31	ditto.	
	Meherpore	4.23	0.75	25.32	ditto.	
	Chooadangah	5.10	2.95	41.05	ditto.	
	Kooshteah	5.82	1.85	44.77	ditto.	
	Jessore	7.33	1.99	44.83	ditto.	
	Khoonlah	5.57	0.85	38.04	ditto.	
	Jenidah	5.03	0.67	33.64	ditto.	
	Nurail	8.04	0.34	25.23	ditto.	
	Magoorah	5.07	1.91	35.41	ditto.	
	Bagirhaut	6.60	0.90	42.39	ditto.	
	Saugor Island	6.89	2.12	52.73	ditto.	
	Calcutta	7.49	1.09	55.27	ditto.	
	Alipore { Jail	7.17	1.35	54.20	ditto.	
	Hospital	Not received	Not received	37.27	25th June 1871.	
	Barrackpore	ditto	ditto	30.92	ditto.	
	Dum-Dum	ditto	ditto	25.30	ditto.	
	Baraset	ditto	ditto	32.65	ditto.	
	Satkherah	ditto	ditto	32.48	ditto.	
	Busseerhaut	ditto	ditto	40.49	ditto.	
	Diamond Harbour	ditto	ditto	39.02	ditto.	
	Barriporre	ditto	ditto			
DACCIA.	Dacca { Telegraph Office	12.94	ditto	48.87	2nd July 1871.	
	Jail	12.10	2.00	48.70	9th July 1871.	
	Burrisaul	7.84	1.42	49.00	ditto.	
	Dowlat Khan	10.55	3.37	47.15	ditto.	
	Perozepore	5.52	2.51	42.38	ditto.	
	Madaripore	9.12	1.93	41.04	ditto.	
	Furreedpore	12.53	0.63	51.95	ditto.	
	Goalundo	9.67	1.43	23.14	ditto.	
	Mymensing	6.02	1.12	54.87	ditto.	
	Jamalpore	10.43	Not received	32.38	2nd July 1871.	From 5th June.
	Atteah	24.29	1.30	65.81	9th July 1871.	
	Kishoregunge	7.61	Not received	60.22	2nd July 1871.	
	Sylhet	4.07	2.23	62.20	9th July 1871.	
	Cacher	2.03	Not received	40.39	2nd July 1871.	
	Hylakandy	1.97	ditto	46.84	ditto.	
	Koyah	3.19	ditto	51.59	ditto	Not received 12th to 18th June.
CHITTAGONG.	Chittagong { Telegraph Office	16.69	0.50	52.18	9th July 1871.	
	Jail	15.80	0.52	56.13	ditto.	
	Cox's Bazar	15.09	Not received	74.12	2nd July 1871.	Not received 19th to 25th June.
	Rangamataea Hill	8.95	ditto	47.75	ditto.	
	Noakhally	14.20	1.51	58.85	9th July 1871.	
	Tipperah	6.28	0.91	51.51	ditto.	
	Brahmanbariah	9.45	Not received	52.95	2nd July 1871.	
	Akyab	20.60	1.80	94.70	9th July 1871.	
	Buxa	20.14	10.91	74.23	ditto.	
	Gowalparah	5.35	Not received	51.45	2nd July 1871.	
COOCH BEHAR.	Dhoobree	3.99	1.60	35.66	9th July 1871.	Not recorded 27th Feb. to 5th March.
	Tura (Garo Hills)	14.81	Not received	52.04	2nd July 1871.	
	Darjeeling { Telegraph Office	Not received	ditto	15.95	31st May 1871.	
	Hospital	9.53	6.72	45.65	9th July 1871.	
	Rungbee	Not received	Not received	28.99	31st May 1871.	
	Falacottah	2.41	ditto	22.85	2nd July 1871.	
	Julpigooree	3.58	5.96	36.78	9th July 1871.	
	Boda	4.98	3.48	30.92	ditto.	
ASSAM.	Tezapore	5.62	Not received	42.36	2nd July 1871.	
	Nowgong	3.48	ditto	32.17	ditto.	
	Mungledye	Not received	ditto	31.91	25th July 1871.	From 30th Jan.
	Burpettah	5.99	ditto	36.78	2nd July 1871.	
	Gowhatta	3.80	ditto	31.54	ditto.	
	Seesbaugor *	2.80	ditto	39.98	ditto.	
	Jorehaut	4.59	ditto	35.57	ditto.	
	Golaghat	2.03	ditto	46.25	ditto.	
	Nazeerah	2.07	ditto	41.03	ditto.	
	Debrooghur	3.28	ditto	47.06	ditto.	
SAMBALPUR.	Suddya	Not received	ditto	36.40	25th June 1871.	
	Shillong	0.84	ditto	32.34	2nd July 1871.	
	Cherrapoonjee	28.50	ditto	135.90	ditto.	From 18th Feb.
	Jowai	4.69	ditto	58.04	ditto.	
	Samoogoodting	Not received	ditto	19.07	25th June 1871.	

HENRY F. BLANFORD,  
*Meteorological Reporter to the Govt. of Bengal.*

CALCUTTA,  
The 15th July 1871.

**Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 8th to 14th July 1871.**

Month.	Date.	Mean reduced barometer. Inches.	THERMOMETER.					Mean wet bulb.	Computed point.	Mean degree of humidity.	WIND.			GENERAL REMARKS.	
			Highest reading.	Lowest reading.	Max. solar radi- ation.	Mean dry bulb.	Mean dew point.				Prevailing direc- tion.	Max. pressure.	Daily velocity.	Iain.	
July ..	8th	29.519	90.2	81.2	144.0	83.8	81.3	79.5	0.87	S S E	...	165.3	0.84	...	Stratoni, cumuli, and overcast. Thunder at 1 $\frac{1}{2}$ and 5 P.M. Rain at 4 A.M., 2, 3, 5, and 7 P.M.
	9th	.523	85.7	81.0	120.0	83.1	81.1	79.7	.90	S S E	...	119.6	0.49	C	Overcast and stratoni. Thunder at 9 $\frac{1}{2}$ A.M., 1, 2, and 3 P.M. Lightning at 9 P.M. Rain at 9 $\frac{1}{2}$ , 12 A.M., and 1 P.M.
	10th	.539	86.7	80.7	126.0	83.2	81.4	80.1	.91	S S E & S	...	93.9	0.36	...	Stratoni, cumuli, and overcast. Thunder at 1 $\frac{1}{2}$ P.M. Slight rain at 12 $\frac{1}{2}$ A.M., and from 2 $\frac{1}{2}$ to 4, and at 6 $\frac{1}{2}$ P.M.
	11th	.522	89.0	79.4	153.0	83.3	80.7	78.9	.87	S by E & S S E	...	81.2	0.30	...	Stratoni, cumuli, and overcast. Rain at 3 and between 7 and 8 P.M.
	12th	.502	86.5	78.0	150.0	81.9	79.4	77.6	.87	S by E & S W	...	112.5	0.11	...	Overcast and cumulon. Slight rain from 1 $\frac{1}{2}$ to 6, and at 10 A.M.
	13th	.674	81.8	77.6	...	80.0	78.8	78.0	.94	S by E & S	...	127.7	1.41	...	Chiefly overcast. Rain from 1 $\frac{1}{2}$ A.M. to 3 P.M.
	14th	.657	88.4	80.5	146.0	83.5	80.9	79.1	.88	S & S S W	...	174.6	0.43	...	Chiefly overcast. Rain at 5 $\frac{1}{2}$ A.M., and from 6 $\frac{1}{2}$ to 9 P.M.

The mean barometer, as likewise the dry and wet bulb thermometer means, are derived from the twenty-four hourly observations made during the day.

The dew-point is computed with the Greenwich constants.—The figures in column 10 represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1 $\frac{1}{2}$  feet, and that of the anemometer 70 feet 10 inches, above the level of the ground.—The velocity of wind, as indicated by Robinson's anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	...	12.6
The max. temperature during the past seven days	...	90.2
The max. temperature during the corresponding period of the past year	...	93.7
The mean humidity during the past seven days	...	0.89
The mean humidity during the corresponding period of the past year	...	0.83
The total fall of rain from 8th to 14th	... { by lower rain gauge	Inches, 3.99
	... { by anemometer gauge	... 3.61
Ditto ditto average of seventeen previous years	...	2.45
Ditto between the 1st January and the 14th July	...	56.36
Ditto ditto ditto ditto, average of seventeen previous years...	...	29.68

GOPEENNAUTH SEN,  
*In charge of the Observatory.*

The 17th July 1871.

No. 30

of 1871



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JULY 26, 1871.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.*

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### Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

*Wednesday, the 19th July 1871.*

#### Present:

HIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL, presiding.  
A. R. THOMPSON, Esq.,  
S. C. BAYLEY, Esq.,  
V. H. SCHALCH, Esq.,  
C. E. BERNARD, Esq.,  
MOULVY ABDOOL LUTEEF, KHAN BAHADOOR,  
T. H. WORDIE, Esq.,  
and  
BABOO DIGUMBER MITTER.

#### DISTRICT ROAD CESS.

MR. SCHALCH moved that the Bill to provide for local rating for the construction and maintenance of roads and other means of communication be further considered to enable him to move certain amendments therein. He said that since the last meeting of the Council he had, with the assistance of the secretary, gone carefully through the Bill, and he found that there were a few alterations to be made—not alterations affecting the principle of the Bill at all, but in the direction of the correction of verbal errors, or to make clearer some of the provisions of the Bill, which were now somewhat complicated.

The motion was agreed to.

Mr. Schalch said, the first amendment he would propose was in section 3, to insert a definition of the term "holder of an estate" which was now used in the Bill. In the Bill as it formerly stood the word "zemindar" was used, but as the term "holder of an estate" was now substituted for the word "zemindar," it was necessary to define the term so as to include all holders collectively. He therefore moved insertion of the following definition after the definition of the word "tenure":

"The words 'holder of an estate or tenure' mean all or any of the holders thereof; and where two or more proprietors are jointly holders thereof, they shall be jointly and severally liable under this Act."

The motion was agreed to.

In section 5 a verbal amendment was made on the motion of Mr. Schalch.

Mr. Schalch said that the method of calculation for the valuation of subordinate tenures was laid down by section 8. By that method, in some cases the annual value of a subordinate tenure would be reduced below the actual rent. For that he would propose, as an amendment, to omit the words from the word "half" in line 19 down to the word "aforesaid" in line 22, and to substitute for those words the following:—

"A sum equal to the rent thereof, increased by one-half the same multiple or fraction of such rent as that by which the annual value of the whole of such land determined as aforesaid exceeds the revenue or rent payable for the same."

The real result of the provision would best be exemplified by an illustration. Supposing an estate gave a revenue of Rs. 100, and had a tenure with a rental of Rs. 80; supposing the collector to assess the original tenure at one-and-a-half times its revenue; the total annual value of the estate would then be Rs. 150. But the half of one and a half would be three-quarters, and when you multiply the rent by three-quarters, it would make the annual value Rs. 60, or Rs. 20 less than the rent. By the way proposed you increase the rent by half the multiple of the increase, which, in the case supposed, would give Rs. 40, and the result would be an annual valuation of Rs. 120.

The motion was agreed to.

A verbal amendment was made in section 35.

THE PRESIDENT said, that before the Council proceeded beyond part III., he must submit an amendment of some importance. He flattered himself that the striking testimony of the equitableness and excellence of this Bill was this fact, that everybody seemed to look upon it with equal objection and complained equally about it; every one who was hit by this Bill complained equally. No one liked to pay a tax. The proof of the goodness and equity of a tax bill seemed to him to be clear when every one complained. We had a good many complaints from those whom the Bill had hit, and who did not like to pay. We had answered, he hoped satisfactorily, all those complaints. One objection still remained, and that was the objection of the Government of India, upon whom some portion of the cess upon railways would ultimately fall. The objection of the Government of India was a legal objection, namely, that we were precluded by the Indian Councils' Act from passing any Bill which would have the effect of laying a burden upon the revenues of India. He had been himself disposed to treat the railways in which the Government of India was interested as property and not revenue. But from some discussions that had taken place, so far as the matter had as yet proceeded, the Government of India had taken another view of the matter. They considered that the revenue derived from Government railways was not in the nature of income from property, but was public revenue of that description to which the provisions of the Indian Councils' Act applied. They also considered that, inasmuch as the important railways of this country were guaranteed by the Government of India, and inasmuch as those railways did not earn the amount so guaranteed, every sum which under this Bill would be deducted from the earnings of those railways, would eventually fall upon the Government of India; and that was no doubt the case. In this view they considered, as regards guaranteed railways, that the imposition of this cess would be a contravention of the Indian Councils' Act.

Well, as he had said, he believed that we had satisfactorily answered most of the objections to this Bill. His view and expectation was, that so far as argument went, we could satisfactorily answer the objections of the Government of India. To our own satisfaction at least he hoped to do so. But as compared to all other objectors, the Government of India was in the position that they have us in their hands: we cannot pass our Bills and carry them into effect without their consent. However good a case we might have, it would be useless to proceed against the opinions of the Government of India in such a matter. In order, therefore, to obviate the difficulty which had arisen, the course he would propose was this, that inasmuch as the objection of the Government of India was a legal objection, inasmuch as there was some reason to believe that in point of strict law the Government of India was right, inasmuch as it may so happen that this Bill would affect the Government of India in the manner for which the Indian Councils' Act provides, it will be necessary that we should insert a clause which would obviate the legal part of the objection. The mode which he proposed to obtain that object was to provide that the cess shall not be leviable from these railways, the property of the Government or guaranteed by the Government, without the previous consent of the Governor-General in Council. He imagined that this provision would obviate the legal difficulty, and that it would still be open to us to use those arguments which we hope will prevail with the Government of India; and that in the end we shall, if it can be proved equitable, obtain the cess from the railways which are either the property of the Government or guaranteed, with the consent of the Governor-General in Council and the Secretary of State. In order to meet the difficulty then, and at the same time to leave the matter open for future consideration, he had the honor to propose to the Council that at the end of section 28 of the Bill we should add these words:—

"Provided that no railway nor tramway the property of the Government of India, nor any railway nor tramway of which the dividend is guaranteed by Her Majesty's Secretary of State for India in Council or by the Governor-General of India in Council, shall be liable to a road cess under the provisions of this Act without the consent of the said Governor-General of India in Council first had and obtained."

The motion was agreed to.

MR. WORDIE said, that at the last meeting of the Council he had undertaken to ascertain whether coal proprietors would prefer a change in the mode of assessment of the cess on coal mines. He found that the coal owners were not unanimous in their views, and did not want any change in the mode of assessment. Their unanimity only consisted in this, that they did not want to pay any cess at all. Under these circumstances he had no amendment to propose.

Verbal amendments were made in sections 80, 93, 95, and 97.

On the motion of MR. SCHALCH the Bill was then passed.

#### CENSUS OF BENGAL.

MR. BERNARD applied to the President that the Rules of the Council be suspended, to enable him to move that the report of the select committee on the Bill to enable the Lieutenant-Governor to take a census of Bengal be taken into consideration.

THE PRESIDENT having declared the Rules suspended—

MR. BERNARD said, the report of the select committee having been printed only within the last day or two, he would ask that the report be read by the secretary.

The report was then read:

"We, the select committee appointed to consider the Bill 'to enable the Lieutenant-Governor to take a census of Bengal,' have the honor to make the following report:—

"We have proposed a new section empowering municipal authorities to take the census in Calcutta and other towns.

"We have introduced a clause making enumerators public servants under the Penal Code.

"We recommend that the Bill as now amended be passed.

"C. BERNARD.

"RIVERS THOMPSON.

"JOTEENDRO MOHUN TAGORE.

"The 15th July 1871."

On the motion of MR. BERNARD, the Council then proceeded to consider the Bill in the form recommended by the select committee.

Sections 1, 2, and 3 were agreed to.

Section 4 was passed with verbal amendments.

By section 5 landholders were required to give all "reasonable assistance" towards the taking of the census. An amendment was carried requiring them to give "such assistance as the collector may require;" and a provision was added to enable the Lieutenant-Governor to "determine, by rules to be published in the *Calcutta Gazette*, the nature of the assistance which the collector may require."

Sections 6 and 7 were agreed to after verbal amendments.

Sections 8 and 9, and the preamble and title, were agreed to.

On the motion of MR. BERNARD the Bill was then passed.

THE PRESIDENT said, that as far as he was aware, he hoped it would not be necessary to trouble the Council at this season of the year with any further meetings for the despatch of much substantive business. Probably it will be necessary that a formal meeting of the Council two or three weeks hence should take place in order to receive the report of the select committee on the Embankment Bill. At the same time, that being a Bill of great complication and importance, and one which it was desirable should be considered with great care, it was not the intention of the Government to ask the Council to proceed with the Bill till a later period of the year. With that exception he thought he might express the hope that he should not find it necessary to trouble the Council with any further labors till the commencement of November next. He thanked hon'ble members very heartily for the assistance he had received from their constant attendance and able assistance in the conduct of very important business, and he trusted that they would be prepared by November next to proceed with other important business which it will probably be his duty to lay before the Council.

The Council was adjourned till a day of which notice will be duly given.

#### Report of the Santipore Municipality for 1870-71.

From HORACE A. COCKERELL, Esq., Officiating Commissioner of the Presidency Division, to the Officiating Secretary to the Government of Bengal in the Judicial Department,—(No. 117J, dated Calcutta, the 7th July 1871.)

WITH reference to Government order No. 2441, dated 22nd April 1867, I have the honor to submit the administration report of the Santipore municipality for the year 1870-71, together with the statement of receipts and disbursements of the municipality for the year.

2. I have pointed out to the chairman that the municipal commissioners have expended on the dispensary Rs. 100 in excess of the amount which the Government, in its letter No. 4660 of the 23rd July 1869, allowed to be devoted to this purpose.

3. With reference to paragraph 11 of the vice-chairman's report, the magistrate has been requested to inquire and report in what respect the conduct of the municipal police has not been satisfactory. The affairs of the municipality during the past year have been actively superintended by the vice-chairman, Baboo Annundo Moy Moitro.

From C. C. STEVENS, Esq., Chairman of the Santipore Municipality, to the Commissioner of the Presidency Division,—(No. 152, dated Kishnaghur, the 10th June 1871.)

I HAVE the honor to forward the annual statement of receipts and disbursements of the Santipore municipality for the year 1870-71, together with a copy of the administration report received from the vice-chairman.

2. The total income of the year is Rs. 16,296-6-9, showing an increase of Rs. 1,905-1-10 on the income of the preceding year.

3. The total expenditure of the year under report is Rs. 18,919-3-9. There is an excess expenditure of Rs. 2,746 over that of last year, due to the fact that a sum of Rs. 3,065-14-6 was expended in payment of compensation for land taken up for the municipality on account of new roads.

4. The municipal commissioners held twenty-two ordinary and ten special meetings during the year. At eleven of the former and six of the latter work was done. On the other days a sufficient number of commissioners to form a quorum did not attend. This shows but an indifferent amount of attention to municipal work on the part of the commissioners, though I have to acknowledge some improvement in this respect as compared with the previous years.

5. The dispensary is kept up by local subscriptions, and undoubtedly proved a most useful institution.

6. I visited the town twice and spent a considerable time there. I am glad to be able to bear testimony to the satisfactory state of the roads, and the generally neat aspect of the town.

7. This is due almost entirely to the energy and attention which the vice-chairman devotes to his duties.

*Administration Report of the Santipore Municipality for the year 1870-71.*

I HAVE the honor to submit an account of the working of the municipal law in the town of Santipore during the year 1870-71, as detailed in the paragraphs following.

1. No changes of any importance calling for special notice took place in the affairs of this municipality within the year under review. Success in general may be said to have characterized the working of the law in all of them.

2. The municipal commissioners held eleven ordinary and six special meetings during the year for the transaction of municipal business.

3. The number of municipal cases decided by the commissioners was 103, and the amount of fines imposed upon and levied from the offenders come up to Rs. 57-11. The offences were chiefly those of obstruction and nuisance, and considering the small amount of fines imposed, the offenders were on the whole leniently dealt with.

4. The houses and other taxable properties were not re-assessed at any revised rate, and the rate of assessment continued as before, at 6½ per cent.

5. From the annual statement for 1870-71, it will appear that in the revenue of the municipality there was an increase of Rs. 1,905-9-6 over that of 1869-70. This excess in the income was derived chiefly from the house tax.

6. The conservancy department of the municipality was under the superintendence of a conservancy overseer, whose establishment consisted of seven conservancy carts and thirteen coolies. These coolies daily went round the town along with the carts for cleaning purposes. In addition to the ordinary establishment, the municipality had to make during the Rash mela special conservancy and sanitary arrangements for the occasion at an additional cost of Rs. 117-14-3. The particulars of the arrangements for the Rash mela will be found detailed in the resolution of the committee held on the 3rd November 1870, a copy of which was duly sent to your office.

7. In compliance with the requisition of the Bengal Government (*vide* Government letter No. 4567, dated 17th July 1869), one boat and two murdarbrushes were employed to take up and bury all the dead bodies that might be found floating on the surface of the river, and the police were directed to be always on the look out and not allow anybody to throw dead bodies into the water. The river water, which is used by the inhabitants for drinking and cooking purposes, was thus kept free from foul contamination, and this greatly conduced to the health and comfort of all around.

8. The health of the town was excellent. There was not epidemic or endemic disease of any kind in the town or within its vicinity.

9. The municipal charitable dispensary was greatly resorted to by patients, and its beneficial usefulness is gradually being appreciated by the community at large.

10. The municipality had to pay a large sum (Rs. 3,065-14-6), the value of lands for the site of a road from Santipore to Sutragur, a distance of nearly a mile, and so much activity could not be shown in the direction of road-making during the year. Nevertheless one metalled road was constructed, leading from the Post Office to Nootunhaut, a distance of thirty-nine chains, at a total cost of Rs. 2,446-8, besides repairing all the existing non-metalled roads.

11. The operation of the municipal police had not been very satisfactory, whereto attention of the district superintendent of police was once called through the chairman during the year. This opportunity is taken to urge it again for the consideration of Government.

Lastly, I beg to conclude by making my acknowledgment of the active and zealous co-operation I received from the clerk and other subordinate officers in the achievement of the results dwelt upon above. All of them, both individually and as a body, discharged their respective duties to my unqualified satisfaction.

SANTIPORE,  
The 19th May 1871.

ANUND MOY MOITRO,  
*Vice-Chairman.*

*Municipal Improvement Fund of Santipore Municipality, under Act III. of 1864, for the year 1870-71.*

	Rs. As. P.	Rs. As. P.
<i>Dr.</i> To balance brought from last account .. .	.....	4,502 8 2
To amount collected on account of the rate of 6½ per cent. upon the annual value of houses, buildings and lands, &c., during the year .. .	11,447 9 3	· · ·
Ditto ditto ditto for 1869-70 .. .	1,215 9 3	· · ·
Ditto ditto ditto „ 1868-69 .. .	44 3 6	· · ·
Ditto ditto ditto „ 1867-68 .. .	49 8 9	· · ·
Ditto ditto ditto „ 1866-67 .. .	3 13 3	· · ·
	<u>.....</u>	<u>12,760 12 0</u>
To amount collected on account of fees on the registration of carts .. .	398 0 0	· · ·
Ditto ditto ditto of fines for the breach of the municipal Acts and rules, &c. .. .	57 11 0	· · ·
Ditto ditto ditto of miscellaneous receipts .. .	21 11 6	· · ·
Ditto ditto ditto of ferry .. .	2,075 14 0	· · ·
Ditto ditto ditto of fines imposed on cattle impounded during the year .. .	833 10 3	· · ·
To amount collected on account of license fees .. .	148 12 0	· · ·
	<u>.....</u>	<u>16,296 6 9</u>
Total .. .	.....	<u>20,798 14 11</u>
<i>Cr.</i> By charges incurred in the collection of rate of 6½ per cent. upon the annual value of houses, buildings, and lands, &c. .. .	1,040 0 0	· · ·
Printing charges .. .	312 0 0	· · ·
By conservancy charges .. .	1,352 0 0	· · ·
By amount paid as pay and contingencies of the municipal police .. .	1,654 0 0	· · ·
By amount paid on account of roads, viz. establishment's pay .. .	432 0 0	· · ·
Compensation for purchasing lands .. .	3,065 14 6	· · ·
Charges for making and burning bricks .. .	2,356 6 0	· · ·
Metalling Nootunhat road .. .	968 10 0	· · ·
	<u>.....</u>	<u>6,822 14 6</u>
By amount paid for the repair of following roads—	123 12 0	· · ·
Motheegunge road .. .	200 10 6	· · ·
Petty repairs and chilchal of sundry roads .. .	324 6 6	· · ·
By amount paid for erecting two pucca drain bridges .. .	25 8 9	· · ·
Ditto ditto for the repair of four ditto .. .	34 10 0	· · ·
Ditto ditto for the repair of drains .. .	20 8 0	· · ·
Ditto ditto for the office establishment of municipal commissioners .. .	499 0 0	· · ·
Ditto ditto for contingency of municipal commissioners .. .	68 7 3	· · ·
Ditto ditto for pound-keeper's pay and contingencies .. .	157 8 6	· · ·
To amount paid for the charitable dispensary .. .	700 0 0	· · ·
By ditto for the following miscellaneous expenses, viz. charges incurred for sanitary purposes at the time of Rash mela .. .	117 14 3	· · ·
Subscription of <i>Calcutta Gazette</i> , and price of Penal Code .. .	46 0 9	· · ·
Charges for cutting jungles, rewards for killing jackals, and other sundry charges .. .	140 5 3	· · ·
	<u>.....</u>	<u>304 4 3</u>
Total .. .	.....	18,919 3 9
By balance on the 31st March 1871 .. .	.....	*1,879 11 2
Total .. .	.....	<u>20,798 14 11</u>

\* In the Treasury  
Ditto office .. .

Rs. As. P.  
1,269 14 0  
609 13 3

SANTIPORE,  
The 19th May 1871.

C. C. STEVENS, *Chairman.*  
ANUND MOY MOITRO, *Vice-Chairman.*

**Report of the Kishnaghur Municipality for 1870-71.**

From H. A. COCKERELL, Esq., Officiating Commissioner of the Presidency Division, to the Officiating Secretary to the Government of Bengal in the Judicial Department,—  
(No. 115J, dated Calcutta, the 6th July 1871.)

IN accordance with Government order No. 2441, dated 29th April 1868, I have the honor to submit the administration report of the Kishnaghur municipality for the year 1870-71, with a copy of the statement of the annual receipts and disbursements.

From C. C. STEVENS, Esq., Chairman of the Kishnaghur Municipality, to the Commissioner of the Presidency Division,—(No. 151, dated Kishnaghur, the 4th June 1871.)

I HAVE the honor to forward the annual administration report of the Kishnaghur municipality for the year 1870-71, together with a statement of actual receipts and disbursements.

2. At the commencement of the year there were seventeen commissioners.  
3. The following gentlemen have been municipal commissioners during the year :—

The Commissioner of the Presidency division.	..	} Ex-officio.
C. C. Stevens, Esq., officiating magistrate and chairman.	..	
Major Forbes, executive engineer.	..	
Mr. Adams, officiating district superintendent of police.	..	
Captain G. M. Bowie, officiating ditto ditto.	..	
W. F. McDonell, Esq., civil and sessions judge.	..	
G. K. Webster, Esq., officiating joint-magistrate and vice-chairman.	..	
W. B. Oldham, Esq., officiating joint-magistrate and vice-chairman.	..	
F. J. Needham, Esq., deputy magistrate.	..	
F. J. Earl, Esq., civil surgeon.	..	
F. H. Barrow, Esq., assistant magistrate.	..	
L. C. Abbott, Esq., ditto ditto.	..	
Rev. C. H. Blumhardt.	..	
The Maharajah Bahadoor of Kishnaghur.	..	
Rai Judu Nath, Rai Bahadoor.	..	
Baboo Umesh Chundra Datta, also secretary.	..	
" Ram Chundra Mukhapadhyaya, pleader.	..	
" Prassanna Cumar Basu, pleader.	..	
" Mritoony Roy ditto.	..	
Moulvije Golam Russool ditto.	..	
Baboo Kali Churn Laheri, sub-assistant surgeon, in private practice.	..	
Baboo Poresh Nath Sukul, serishtadar, collector's office.	..	
" Baboo Umesh Chundra Datta, also secretary.	..	

4. During the year Mr. McDonell, Mr. Webster, Mr. Barrow, and Mr. Adams, left the station, and the Maharajah Bahadoor of Kishnaghur died in October last.

5. At the close of the year there were sixteen commissioners, of whom eight were European and eight Native.

6. Twenty-one ordinary meetings of the municipal commissioners were held during the year. At twenty of them work was done on but one occasion ; a sufficient number of commissioners to form a quorum did not attend.

7. The ordinary meetings are, as a rule, held on the 10th and 25th of each month, and have been better attended than in the preceding year. I have to acknowledge much improvement in this respect.

8. The income of the year was derived from the following sources :—

		Rs. As. P.
Balance of last year	..	13,413 7 2
House-rate	..	13,652 4 0
Fines	..	95 13 3
Conservancy	..	234 15 0
Cattle pounds	..	931 1 0
Park estate	..	1,260 12 6
Toll bars	..	2,712 13 0
Printing	..	45 0 0
Miscellaneous	..	911 12 9
Recoverable expense	..	6 13 0
Burial ground	..	10 0 0

	Budget estimate.	Actual receipts.	Difference.	Excess collection.
	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.
House-rate	14,000 0 0	13,652 4 0	347 12 0	0 0 0
Toll bars	3,000 0 0	2,712 13 0	287 3 0	0 0 0
Fines	100 0 0	95 13 3	4 2 9	0 0 0
Miscellaneous	700 0 0	911 12 9	0 0 0	211 12 9
Cattle pounds	750 0 0	931 1 0	0 0 0	181 1 0
Conservancy carts	150 0 0	234 15 0	0 0 0	84 15 0
Park estate	800 0 0	1,260 12 6	0 0 0	400 12 6
Printing	80 0 0	45 0 0	35 0 0	0 0 0
Recoverable expense	50 0 0	6 13 0	43 3 0	0 0 0
Burial ground	0 0 0	10 0 0	0 0 0	10 0 0
Total	19,630 0 0	19,861 4 6	717 4 9	948 9 3
				Rs. As. P.
Outstanding balance of past years				937 12 5
Demand of 1870-71				14,669 8 6
Total				15,607 4 11
Amount collected	..	..	..	13,652 4 0
Amount remitted	..	..	..	245 12 4
Total				13,898 0 4
Net amount outstanding				1,709 4 7

9. The decrease in house-rate collection is partly owing to the fact that the rates on the Government houses for the fourth quarter of 1870-71 have not, up to this time, been paid by the collector, and partly to the negligence on the part of the collecting sirkars, who have been discharged from the beginning of the present year.

10. The remissions during the year have been small as compared to those of last year.

11. *Toll bars.*—The decrease of Rs. 287-3 under this head is due to the fact that the deposits of the toll farmers on account of their several gates were received in March 1870, and entered in accounts of 1869-70, and also to the practice introduced for the first time this year of reducing the deposits from one-fourth to one-eighth of the year's rent.

12. *Fines.*—The subjoined statement will shew the assistance rendered during the year under report by the conservancy overseers and the municipal police:—

Number of cases requiring issue of notice	..	..	573
Number of cases requiring issue of summons	..	..	244
Number of persons tried	..	..	282
Number of persons fined	..	..	117
Number of persons released	..	..	165
			Rs. As. P.
Amount of fine imposed	..	..	98 8 3
Amount collected	..	..	95 13 3
Amount outstanding	..	..	2 11 0

Out of these reports forty-six were made by the municipal police and 771 by the conservancy overseers. Thus the police, though they have not done much, have improved in comparison with last year.

13. *Miscellaneous.*—The miscellaneous receipts amounted to Rs. 911-12-9, or Rs. 211-12-9, in excess of the budget estimate. They were derived from the following sources:—

	Rs. As. P.
License fees	484 4 0
House rent	183 0 0
Distraint fees	49 4 9
Clerk's salary realizable from Santipore and Ranaghat	180 0 0
Petty miscellaneous	15 4 0

The excess collection is due to the following causes:—(1) that the distraint fees were not estimated for in the budget; (2) that the license fees were under-estimated.

14. *Pounds.*—There are five pounds in the town, four of which, are solvent, and the fifth, which is in the Park estate, does not indeed pay its way; but since its establishment there has been an increase in the income from the estate, owing to extended cultivation, which would not have taken place if cattle trespass and consequent injury to crops had not been prevented by the pound. The fines levied on the cattle impounded in these five pounds amounted to Rs. 931-1 or Rs. 181-1 in excess of the estimate.

15. *Conservancy.*—A special conservancy cart was employed for removing the stable refuse of the stable-keepers who keep carriages for hire; the expense of this has been realized from them at a fixed rate of 10 annas each carriage per month. There is an increase of Rs. 84-15 over the estimate, owing to the increase in the number of carriages kept for hire.

16. *Park estate.*—There is an increase of Rs. 460 over the budget estimate; this is due to an extension of cultivation under Utbundi tenure. There was also an extra income of Rs. 72 from sale proceeds of decayed and withered trees.

17. *Recoverable expense.*—No charges were incurred during the year, consequently there was no receipt under this head, except Rs. 6-12, being the legal expense realized from a defaulter against whom a decree had been obtained:—

	Budget estimate.	Actual expenditure.			Saving.	Excess expenditure.			
	Rs.	As.	P.	Rs.	As.	P.	Rs.	As.	P.
Collecting establishment	1,120	0	0	1,037	14	0	82	2	0
Office establishment	476	0	0	587	10	3	0	0	0
Roads' establishment	10,000	0	0	9,414	1	9	585	14	3
Law expense ..	200	0	0	0	0	0	200	0	0
Conservancy ..	1,000	0	0	865	12	6	134	3	6
Police ..	5,580	0	0	5,709	0	0	0	0	0
Local improvement ..	1,500	0	0	553	15	4	946	0	8
Park estate ..	1,100	0	0	1,069	12	11	30	3	1
Miscellaneous ..	700	0	0	370	8	0	329	8	0
Pounds ..	450	0	0	490	2	0	0	0	0
Printing and stationery ..	260	0	0	531	8	0	0	0	0
Toll bar ..	200	0	0	34	11	0	165	5	0
Burial ground ..	150	0	0	121	0	0	29	0	0

18. *Expense of collection.*—Under this head Rs. 82-2 less than the estimate was paid, as the collections were bad and payment is made by commission.

19. *Office.*—The increase of Rs. 111-10-3 under this head is due to the fact that the Secretary's pay, Rs. 50 per mensem, was not provided for in the budget. The appointment has had effect from 1st January last.\*

20. *Roads.*—The following statement will shew the total expenditure on the metalled roads.

NAMES OF METALLED ROADS.	Amount.		
	Rs.	As.	P.
High street ..	2,000	15	0
Circular road ..	892	0	6
Park estate road ..	1,324	1	0
Jail road ..	178	6	9
Buggoolah road ..	618	5	9
Gobind ..	159	12	0
Gowarree ..	248	15	0
New ..	474	7	6
Rajah's ..	241	0	0
Barrendra ..	80	5	0
Total ..	6,228	4	6

Out of this amount a sum of Rs. 1,080 was paid in March 1870, and accounted for in last year's annual statement.

21. Ninety-eight kutcha roads were repaired and put into order at a cost of Rs. 1,702.

22. Two bridges were constructed during the year; one over the Unjuna, and the other over the canal near the Rajah's diggy. Besides these, six culverts were constructed.

23. *Arboriculture.*—Fifty young trees were planted in the Circular road in place of those which had been destroyed by the cyclone.

24. *Law expense.*—Nothing was expended during the year under this head.

25. *Conservancy.*—The conservancy establishment consists of two overseers, six cart-drivers, and one murdarfrush. Only the salaries of these men, feeding allowance for the animals, contingencies, and the value of one pony, are shewn under this head. The decrease of Rs. 134 is due to the fact that the cost of repairing the carts, and the cost of purchase of a pony, which had been provided for in the budget estimate, were not incurred during the year.

26. *Police.*—The fixed expenditure of the year under this head was Rs. 5,292, and the estimate, Rs. 5,580. But a further sum of Rs. 417, being the arrear pay of the police for the month of May 1868, which had not been adjusted previously, was in the course of the year paid to the magistrate on his requisition, No. 109, dated 28th March 1870; consequently there is an increase of Rs. 129 over the estimate.

27. *Local improvement.*—The canal for supplying the tanks west of the High street with the riverwater was improved. In order to supply drinking water to the other part of the town, the municipal commissioners, after discussing the subject at several meetings, resolved to improve the Nundi tank, the Boistum tank, and the Ruipookur. The work was commenced in March.

28. *Park estate.*—The decrease of Rs. 30-3 is due to the fact that some of the lackrajdars did not come forward to receive their rents during the year.

29. *Miscellaneous.*—The decrease of Rs. 329-8 is due to the circumstance that the expenditure for repairing the municipal office was not incurred during the year under report. Moreover, the jungle on the sides of the roads was cut by the coolies who are employed permanently. Their pay was charged to the road fund.

30. *Pounds.*—The increase of Rs. 40-2 over the estimate is chiefly owing to the fact that a sum of Rs. 35-5, being the surplus amount of sale proceeds of unclaimed cattle, was refunded within three months after the sale to the owners.

31. *Printing.*—The increase of Rs. 271-8 over the budget is due to the fact that a set of new Bengalee types was purchased during the year. This charge was not provided for in the budget of this year, but in that for 1869-70, when it was not incurred.

32. *Toll bars.*—The estimate was made under the impression that one toll bar would be kept under khas management; but this was not done, all the toll gates having been farmed out. The sum of Rs. 34 expended under this head was for repairing the gates.

33. *Burial ground.*—The decrease of Rs. 29 is owing to the fact that the estimated expenditure for repairing the enclosure and the mallee's house was not incurred during the year.

34. *General remarks.*—The health of the town has been good during the year.

35. A vaccinator was appointed in February last.

The following statement will shew the particulars of vaccination:—

	Male	..	..	..	..	78
	Female	..	..	..	..	48
	Christian	..	..	..	..	1
Caste	.. { Hindoo	..	..	..	..	124
	Mussulman	..	..	..	..	1
Age	.. { Under one year	..	..	..	..	12
	Above ditto	..	..	..	..	114
Result	.. { Successful	..	..	..	..	122
	Unsuccessful	..	..	..	..	4
Re-vaccination	.. { Successful	..	..	..	..	5
	Unsuccessful	..	..	..	..	1

36. *Municipal officer.*—Baboo Uynes Chandra Datta, an energetic municipal commissioner, was unanimously elected as secretary.

37. The servants of the municipality have generally given satisfaction by the manner in which they have performed their duties.

*Municipal Improvement Fund of Kishnaghur Municipality, under Act III. of 1864, for the year 1870-71.*

RECEIPTS.	Amount.	
	Rs. As. P.	Total. Rs. As. P.
To balance brought from last account ..	.....	13,413 7 2
To amount collected on account of the rate of 6 per cent. upon the annual valuation of houses, buildings, and lands, &c. ..	13,652	4 0
To amount collected on account of fines under Act III. of 1864 ..	95 13	3
Ditto ditto of burial ground ..	10 0	0
Ditto ditto of recoverable expense ..	6 13	0
Ditto ditto of Park estate ..	1,260	12 6
Ditto ditto of road tolls ..	2,712	13 0
Ditto ditto of cattle pounds ..	931	1 0
Ditto from the stable-keepers, &c., for the expenses incurred for a special cart employed for removing their dirts, &c. ..	234	15 0
To amount collected on account of supplying print- ing forms ..	45	0 0
Ditto ditto of miscellaneous receipts, such as license fees, house rent, distraint fees, &c. ..	911	12 9
	19,861	4 6
Total ..	33,274	11 8

EXPENDITURE.	Amount. Rs. As. P.	Total. Rs. As. P.
Charges incurred in the collection of the rate of 6 per cent. upon the annual value of houses, buildings, and lands, &c. . . . .	1,037 14 0	
Charges incurred in establishment of the municipal commissioners . . . . .	587 10 3	
Conservancy charges . . . . .	865 12 6	
Amount paid to district treasury for the maintenance of police under section 34 of Act III. of 1864, and for the construction of section-houses, &c. . . . .	5,709 0 0	
Amount expended on account of roads . . . . .	9,414 1 9	
Ditto ditto of tanks and drainage . . . . .	553 15 4	
Ditto ditto of Park estate . . . . .	1,069 12 11	
Ditto ditto of legal expense . . . . .	0 0 0	
Ditto ditto of cattle pounds . . . . .	490 2 0	
Ditto ditto of value of printing types and stationery . . . . .	531 8 0	
Ditto ditto of toll bar . . . . .	34 11 0	
Ditto ditto of Mahomedan burial ground . . . . .	121 0 0	
Ditto ditto of miscellaneous charges . . . . .	370 8 0	
	20,785 15 9	
Balance on the 31st March 1871 * . . . . .	12,488 11 11	
Total . . . . .	33,274 11 8	

KISHNAGHUR,  
The 4th June 1871.

C. C. STEVENS,  
*Chairman.*

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 15th July 1871, on 1,279½ miles open.

	COACHING TRAFFIC.			MERCHANTISE AND MINERAL TRAFFIC.			Total traffic receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
Total traffic for the week ...	84,101	Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	
Or per mile of railway ...	1,07,874 7 5		9,888 9 10	469,421 30	*2,98,460 8 9	27,358 17 8	37,247 7 6
For previous 1 week of half-year ...	107,051 1	84 4 11	7 14 7	.....	233 4 3	21 7 8	29 2 3
	1,35,588 5 8		12,428 18 8	469,104 0	3,27,931 14 9	30,060 8 6	42,489 7 2
Total for 2 weeks ...	191,152 1	2,43,462 13 1	22,317 8 6	908,525 30	6,26,392 7 6	57,419 6 2	79,736 14 8
COMPARISON.							
Total for corresponding week of previous year ...	95,019	1,21,540 13 1	11,141 4 10	506,851 10	3,24,760 6 10	29,769 14 2	40,910 19 0
Per mile of railway corresponding period of previous year ...	.....	107 6 8	9 16 11	.....	287 0 3	26 6 3	36 3 2
Total to corresponding date of previous year ...	224,486 1	2,70,102 15 6	24,759 8 9	1,321,555 10	8,14,596 8 5	74,671 7 0	99,430 15 9

\* Rs. 11,898-9-3 added on account of freight of locomotive coal carried on Jubbulpore line.

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 15th July 1871, on 223 miles open.

	Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	9,811	7,749 2 5	710 6 9	53,611 30	8,991 2 6	824 3 9
Or per mile of railway ...	.....	34 12 6	3 3 9	.....	40 5 1	3 13 11
For previous 1 week of half-year ...	5,150 1	12,924 0 5	1,184 14 1	37,650 20	10,744 13 0	984 18 10
Total for 2 weeks ...	8,461 1	20,673 2 10	1,895 0 10	91,262 10	19,735 15 6	1,809 2 7
COMPARISON.						
Total for corresponding week of previous year ...	4,193	10,796 10 1	989 13 10	14,539 30	3,904 6 10	357 18 1
Per mile of railway corresponding week of previous year ...	.....	48 6 8	4 8 9	.....	17 8 1	1 12 1
Total to corresponding date of previous year ...	8,972	22,355 10 2	2,049 5 4	48,241 10	14,469 10 3	1,336 7 8

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended the 15th July 1871, on 156½ miles open.

	Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	25,631	14,436 0 0	1,323 6 0	77,043 7	19,347 11 11	1,773 10 10
Or per mile of railway ...	164	92 3 11	8 9 1	492 0	123 10 1	11 6 8
For previous 2 week of half-year ...	30,937 1	18,597 10 3	1,704 15 7	84,890 33	31,054 1 0	2,846 13 5
Total for 3 weeks ...	56,568 1	33,033 10 3	3,028 1 7	1,61,934 0	50,401 12 11	4,620 3 3
COMPARISON.						
Total for corresponding week of previous year ...	23,050 1	12,189 4 0	1,117 6 11	92,901 18	13,456 15 0	1,233 11 1
Per mile of railway corresponding week of previous year ...	204	107 10 1	9 17 4	820 0	118 13 2	10 17 10
Total to corresponding date of previous year ...	57,674	29,853 6 7	2,736 11 3	266,643 28	41,639 4 10	3,816 18 9

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 15th July 1871, on 28 miles open.

	Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	4,474 1	713 3 6	71 6 5	8,612 10	271 2 6	27 2 4
Or per mile of railway ...	160	25 7 7	2 11 0	307 23	9 10 11	0 19 4
For previous 15 weeks of half-year ...	104,414	19,698 14 0	1,069 17 9	160,288 10	4,648 4 0	464 16 7
Total for 16 weeks ...	108,888 1	20,412 1 6	2,041 4 2	168,900 20	4,919 6 6	491 18 11
COMPARISON.						
Total for corresponding week of previous year ...	4,914	858 9 9	85 17 2	9,283 10	307 0 6	30 14 1
Per mile of railway corresponding week of previous year ...	176	30 10 8	3 1 4	332 0	10 15 5	1 1 11
Total to corresponding date of previous year ...	92,657 1	15,788 14 6	1,578 17 10	172,040 14	6,054 8 6	605 9 1

## Meteorological Telegraphic Report for the period 16th to 22nd July 1871.

STATION.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humid. ity Sat =100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	July											
	16th	10	29·507	29·613	84°	81·8	91	S S W	...	0·13	S .....	o
	16		29·492	29·510	86°	81·6	81	S by E	...	...	C, CS	
	17th	10	29·548	29·566	83°	79·7	85	W	...	0·83	K, N	
	16		29·450	29·468	85°	81·0	83	S E	...	...	K, CK	
	18th	10	29·537	29·555	85°	81·4	81	E by S	...	...	S	
	16		29·435	29·453	85°	80·6	83	S E	...	...	K	
	19th	10	29·518	29·536	85°	81·2	81	E S E	...	...	S E	
	16		29·423	29·441	85°	81·7	85	S S E	...	0·13	K	Scuds.
	20th	10	29·548	29·566	85°	81·5	83	S	...	0·04	...	C
	16		29·470	29·488	84°	81·0	83	E S E	...	0·13	S	
	21st	10	29·576	29·594	80°	79·6	97	S by W	...	0·25	C .....	o
	16		29·510	29·528	84°	80·5	85	S S W	...	1·12	C .....	
	22nd	10	29·640	29·658	81°	79·0	89	S	...	0·13	...	o
	16		29·578	29·596	79°	78·5	93	S S W	...	0·30	...	o, d
SAYON ISLANDS.	16th	10	29·592	29·598	83	81	91	S S W	11·1*	0·10	N	o, d, g
	16		29·500	29·506	86	82	83	S S E	5·8*	...	N	o
	17th	10	29·557	29·563	88	83	80	N W	13·0*	0·20	N	b, v
	16		29·476	29·482	87	82	79	S S E	15·0*	...	N	b, u
	18th	10	29·523	29·529	88	82	76	E N E	3·2*	0·10	N	b, v
	16		29·423	29·429	89	83	76	E S E	9·6*	0·20	N	b, v, u
	19th	10	29·487	29·493	86	82	83	E N E	9·3*	0·10	N	b, v
	16		29·417	29·423	86	81	79	E S E	14·1*	0·10	N	b, v, u
	20th	10	29·549	29·555	85	81	83	S S E	12·2*	0·20	N	b, m
	16		29·478	29·484	87	82	79	S S E	11·5*	...	N	d, o, w
	21st	10	29·597	29·603	83	81	91	S S W	13·9*	0·70	N	o
	16		29·546	29·552	84	78	75	S S W	10·1*	1·20	N	o, r
	22nd	10	29·678	29·684	80	78	91	S S W	11·6*	...	N	m, r
	16		29·577	29·583	79	78	95	S S W	7·5*	0·70	N	
CHITTAGONG.	16th	10	29·600	29·719	82	79	87	S E	7·4*	0·10	K, KS	v
	16		29	29	82	79	87	S S E	8·1*	...	KS	u, g
	17th	10	29·534	29·644	85	80	79	E	4·0*	...	CK, C	b, t
	16		29·432	29·541	84	81	87	S W	8·4*	...	K, KS	b, v
	18th	10	29·504	29·613	86	80	75	N N E	5·5*	0·10	CK, C	v
	16		29·468	29·564	86	82	83	S	5·3*	0·10	K, CK, KS	v
	19th	10	29·554	29·604	84	79	79	E	3·2*	0·10	K, KS	d, u
	16		29·487	29·507	81	78	86	S	13·8*	0·10	N	
	20th	10	29·619	29·729	83	79	83	E	8·9*	...	K, KS	p, v
	16		29·554	29·604	84	79	79	S E	11·6*	0·20	K, KS	
	21st	10	29·629	29·739	82	80	91	E	7·7*	...	K, KS	d, q
	16		29·565	29·677	77	76	95	S W	15·9*	0·10	N	d, u
	22nd	10	29·678	29·757	78	77	95	E S E	7·9*	1·20	N	p, u, g
	16		29·601	29·712	80	78	91	S	6·3*	0·10	KS	
MADRAS.	15th	10	29·704	29·824	87	80	72	S S W	12*	2·01	....	o
	16		Not received.									
	16th	10	Not received.									
	16											
	17th	10	29·697	29·727	83	76	71	S by W	5*	0·05	....	o
	16		29·789	29·819	84	75	64	S	8*	0·51	....	o
	18th	10	29·674	29·704	88	76	55	S by W	5*	...	....	o
	16		29·753	29·783	84	76	67	S S W	8*	...	....	o
	18th	10	29·639	29·669	87	76	58	S W	11*	...	....	o
	16		29·741	29·771	83	74	63	S S W	14*	0·20	....	o
	18th	10	29·632	29·662	87	76	58	S S W	18*	...	....	o
	16		29·720	29·750	84	75	64	S	11*	...	....	o
	20th	10	29·618	29·648	90	77	53	S W by S	3*	...	....	bc
	16		29·763	29·793	87	75	55	S W by S	15*	0·02	....	bc
	21st	10	29·670	29·700	93	76	43	S by W	8*	...	....	bc
	16											
CUTTACK.	15th	10	29·527	29·600	87	81	76	S W	8·0*	...	KS, C	Fair
	16		29·507	29·590	82	79	87	S S W	0·1*	...	N	d
	16th	10	29·563	29·645	84	81	87	S W	0·2*	...	N, KS, C	
	16		29·472	29·554	89	81	69	W S W	0·4*	...	C, KS, N	r, fair
	17th	10	29·530	29·612	87	81	76	W	0·2*	0·30	C,	o, u
	16		29·425	29·507	87	82	79	S S W	0·5*	...	N	o, u
	18th	10	29·513	29·595	84	80	83	W N W	0·2*	0·80	N	d
	16		29·383	29·465	83	80	87	W N W	0·2*	...	N	
	19th	10	29·438	29·521	79	78	95	N N W	0·1*	...	N, KS	
	16		29·335	29·417	84	80	83	W	0·3*	...	KS	
	20th	10	29·455	29·537	86	80	75	S S W	0·2*	1·00	C, KS	Fair
	16		29·375	29·457	88	80	69	S	0·4*	...	N, C, KS	
	21st	10	29·575	29·657	83	76	71	W S W	0·4*	...	N	
	16		29·407	29·579	86	79	72	S S W	0·9*	...		
ARYAN.	16th	10	29·706	29·721	79	77	90	S	1	0·90	KS, N	g
	16		29·607	29·632	79	77	90	S	1	...	C, CS, K	b
	17th	10	29·609	29·624	82	78	82	S E	1	1·50	CS, K	b
	16		29·519	29·534	82	79	87	S	2	...	K, KS	g
	18th	10	29·594	29·609	80	78	91	S E	2	2·40	N	d
	16		29·509	29·524	82	79	87	S E	2	0·20	K, KS	g
	19th	10	29·666	29·681	79	77	90	S E	2	0·90	K, KS	g
	16		29·617	29·632	79	77	90	S	2	0·40	N	r
	20th	10	29·723	29·738	80	77	86	S	2	2·10	N	r
	16		29·676	29·681	79	77	90	S S E	1	0·40	K, KS	g
	21st	10	29·781	29·796	77	75	90	S E	1	0·10	K, KS	g?
	16		29·693	29·708	80	78	91	S	1	2·60	K, KS	g?
	22nd	10	29·777	29·792	78	76	90	E S E	1	0·80	K, KS	g
	16		29·708	29·728	82	80	91	S S W	1	0·80	K, KS	

\* Velocity of wind in miles per hour.

CALCUTTA,  
The 22nd July 1871.HENRY F. BLANFORD,  
Meteorological Reporter to the Government of Bengal.

D

**Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.**

DIVISIONS.	Stations.	Rainfall from 3rd to 9th July 1871.	Rainfall from 10th to 16th July 1871.	RAIN FROM 1ST JANUARY 1871.		REMARKS.
				Rain.	Up to date.	
CUTTACK.	Cuttack { Telegraph Office ...	3.30	8.70	30.68	16th July 1871.	
	Jail ...	4.28	2.56	27.54	ditto.	
	False Point ...	0.40	Not received	27.10	9th July 1871.	
	Jajipore ...	4.53	6.43	34.39	16th July 1871.	
	Kendraparabah ...	1.20	0.60	22.30	ditto.	
	Jugutsingapore ...	3.90	2.20	28.63	ditto.	
	Sumbulpore ...	2.74	2.59	18.48	ditto.	
	Balasore ...	0.74	2.74	27.10	16th July 1871.	
	Bluddeunk ...	3.39	2.22	25.67	ditto.	
	Pooree ...	2.35	5.18	29.67	ditto.	
CHOTA NAGPORE.	Khoordah ...	3.83	Not received	29.78	9th July 1871.	
	Hazareebagh ...	2.39	2.47	13.94	16th July 1871.	
	Burhee ...	2.54	2.35	18.38	ditto.	
	Pachamba ...	3.33	2.33	23.26	ditto.	
	Ranchee ...	2.59	2.01	25.24	ditto.	
	Palamow ...	3.12	3.33	21.39	ditto.	
	Purulia ...	3.10	6.05	27.41	ditto.	
	Gobindpore ...	0.23	6.11	13.94	ditto.	... From 12th June.
	Chyebassa ...	2.43	1.25	22.75	ditto	
	Patna ...	1.79	6.27	25.82	16th July 1871.	
PATNA.	Behar ...	2.29	6.17	21.43	ditto	
	Barh ...	4.87	6.66	17.94	ditto	
	Dinapore ...	0.69	6.38	23.64	ditto.	
	Gya ...	6.51	4.64	21.75	ditto.	
	Sherghatty ...	2.82	5.46	18.10	ditto.	
	Nowadah ...	3.11	4.17	20.33	ditto.	
	Arungabad ...	0.84	2.98	10.74	ditto.	
	Champaran ...	2.60	4.76	21.77	ditto	
	Bettiah ...	2.30	5.78	18.44	ditto	... From 5th June.
	Chuprah ...	1.10	6.71	22.16	ditto.	
BHAUDEEPORE.	Sewan ...	3.44	5.94	25.09	ditto.	
	Moznfferpore ...	4.00	4.00	27.98	ditto.	
	Durbhangah ...	6.33	5.60	35.55	ditto	... Not received 15th to 21st May.
	Seetamaree ...	6.90	0.80	23.98	ditto.	
	Tajpore ...	2.70	3.20	20.14	ditto	... Not recorded 6th to 19th March.
	Mudhubani ...	3.24	4.98	23.00	ditto	... From 1st April.
	Hajipore ...	1.71	4.26	11.21	ditto	... From 22nd May.
	Arrah ...	1.20	6.46	21.10	ditto.	
	Buxar ...	1.00	7.10	21.20	ditto.	
	Sasseram ...	0.83	6.70	14.82	ditto.	
RAJSHAHRI.	Bhubbhooah ...	3.68	11.77	27.62	ditto.	
	Benares ...	1.50	3.80	16.93	16th July 1871.	
	Bhangulpore ...	Not received	Not received	1.97	23rd April 1871.	
	Mudheypoorah ...	1.36	ditto	23.07	9th July 1871.	
	Bauka ...	1.22	5.89	24.32	16th July 1871.	
	Monghyr ...	1.52	5.28	22.06	ditto.	
	Jamooie ...	2.00	6.98	23.16	ditto.	
	Begoosari ...	1.60	4.67	18.80	ditto.	
	Deoghur ...	0.49	4.73	26.12	ditto.	
	Jamtara ...	0.50	7.32	29.15	ditto	
Burdwan.	Rajmehal ...	1.10	Not received	25.10	9th July 1871.	From 13th Feb.
	Pakoor ...	2.25	5.75	16th July 1871.	From 12th Feb.	
	Purneah ...	2.03	4.98	29.11	ditto.	From 21st May.
	Kishengunge ...	4.69	10.59	22.55	ditto	... From 12th June.
	Arraria ...	5.84	Not received	12.81	9th July 1871.	From 26th June.
	Rampore Beauleah ...	3.19	9.70	36.57	16th July 1871.	
	Nattore ...	1.82	12.95	41.21	ditto.	
	Bograh ...	0.20	6.00	51.18	ditto.	
	Dinagepore ...	1.62	4.65	35.70	ditto.	
	Maidah ...	2.70	5.37	24.78	ditto.	
RANASINGHPORE.	Berhampore ...	0.57	6.77	34.05	ditto.	
	Jungipore ...	0.27	3.78	29.22	ditto.	
	Lalbagh ...	0.47	4.21	25.21	ditto	... From 16th Jan.
	Jamookandi ...	1.04	2.72	22.35	ditto	... From 17th April.
	Pubna ...	0.30	2.53	35.16	ditto.	
	Coomercolly ...	Not received	Not received	5.02	23rd April 1871.	Not recorded from 1st May.
	Serajunge ...	0.92	8.79	48.19	16th July 1871.	
	Rungpore ...	9.70	10.10	52.80	ditto.	
	Bhowanigunge ...	0.65	7.45	41.84	ditto	... From 22nd Jan.
	Titalya ...	4.97	6.12	34.18	ditto.	
Contai.	Burdwan ...	0.37	3.84	27.96	16th July 1871.	
	Cutwa ...	1.10	4.59	27.84	ditto.	
	Culna ...	2.06	3.23	34.83	ditto.	
	Bood-Bood ...	1.32	3.75	29.52	ditto.	
	Bancoorah ...	0.05	4.91	33.15	ditto.	
	Raneeunge ...	0.66	6.24	25.29	ditto.	
	Soorsee ...	1.47	1.74	21.88	ditto.	
	Hooghly ...	0.30	2.90	36.67	ditto.	
	Serampore ...	1.32	2.68	32.65	ditto	... From 20th March.
	Jehanabad ...	2.42	Not received	26.86	9th July 1871.	From 21st April
Gurbeta.	Howrah ...	2.29	4.06	55.34	16th July 1871.	
	Midnapore ...	4.32	3.87	36.82	ditto.	
	Tumlook ...	1.70	3.07	46.18	ditto.	... From 8th Feb.

## SUPPLEMENT TO THE CALCUTTA GAZETTE, JULY 26, 1871.

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DIVISIONS.	Stations.	Rainfall from 3rd to 9th July 1871.	Rainfall from 10th to 16th July 1871.	RAIN FROM 1ST JANUARY 1871.		REMARKS.
				Rain.	Up to date.	
PRESIDENCY.	Kishnaghur	1.60	1.94	31.92	16th July 1871.	
	Bongong	1.72	1.67	30.92	ditto.	
	Ranaghat	1.98	2.52	33.83	ditto.	
	Meherpore	0.75	2.61	27.93	ditto.	
	Chooadangah	2.95	3.30	44.35	ditto.	
	Kooshteah	1.85	3.62	48.39	ditto.	
	Jessore	1.99	4.07	48.90	ditto.	
	Khoonlah	0.85	1.60	39.54	ditto	... From 16th Feb.
	Jenidah	1.30	4.84	48.95	ditto	... From 6th March.
	Nurail	0.67	3.95	37.59	ditto	... From 3rd April.
	Magoorah	0.34	1.57	26.80	ditto	ditto.
	Bagirhaut	1.91	2.73	38.34	ditto	ditto.
	Saugor Island	0.90	5.20	47.60	ditto.	
	Calcutta	2.12	2.79	55.52	ditto.	
	Alipore { Jail	1.09	2.66	57.93	ditto.	
	{ Hospital...	1.35	2.89	57.09	ditto.	
	Barrackpore	1.01	Not received	51.79	9th July 1871.	
	Dum-Dum	1.03		37.25	ditto.	
	Baraset	1.05	ditto	33.85	ditto.	
	Satkherah	1.44	ditto	41.80	ditto.	
	Busseerhaut	0.85	ditto	40.55	ditto.	
	Diamond Harbour	1.40	ditto	45.55	ditto.	
	Barripore	2.46	ditto	47.94	ditto.	
DACA.	Dacca { Telegraph Office	2.87	5.56	57.30	16th July 1871.	
	{ Jail	2.00	5.40	54.10	ditto.	
	Burrisaul	1.42	3.92	52.92	ditto.	
	Dowlat Khan	3.37	4.63	51.78	ditto.	
	Perozepore	2.51	2.15	44.53	ditto.	
	Madaripore	1.93	Not received	41.04	9th July 1871.	
	Furreedpore	0.63		56.67	16th July 1871.	
	Goalundo	1.43	4.72	ditto	... From 5th June.	
	Mymensing	1.12	4.36	27.50	ditto.	
	Jamalpore	3.23	6.59	61.46	ditto.	... Not received 10th to 25th June.
	Atteah	1.30	3.90	39.50	ditto	
	Kishoregungo	1.83	7.10	72.91	ditto.	
	Sylhet	2.23	6.88	68.93	ditto.	
	Cacher	6.77	Not received	8.87	71.07	ditto.
	Hylakandy	7.53		47.16	9th July 1871.	
	Koyah	Not received	ditto	54.37	ditto.	
			ditto	51.59	2nd July 1871	Not received 12th to 18th June.
CHITTAGONG.	Chittagong { Telegraph Office	0.50	7.50	59.68	16th July 1871.	
	{ Jail	0.53	6.59	62.72	ditto.	
	Cox's Bazar	1.72	Not received	70.12	9th July 1871.	
	Rangamata Hill	4.63		52.38	ditto.	
	Noakhally	1.51	6.89	45.74	16th July 1871.	
	Tipperah	0.91	10.17	61.68	ditto.	
	Brahmanbaria	1.34	12.22	66.51	ditto.	
	Akyab	1.80	Not received	14.30	100.00	16th July 1871.
	Buxa	10.91		23.22	97.45	ditto.
	Gowalparah	3.25	Not received	54.70	9th July 1871.	
	Dhoobree	1.60		4.15	39.31	16th July 1871
	Tura (Garo Hills)	2.00	8.77	62.81	ditto.	
	Darjeeling { Telegraph Office	Not received	Not received	15.95	31st May 1871.	
	{ Jail	6.72	6.82	52.47	16th July 1871	
	Rungbee	Not received	Not received	28.99	31st May 1871.	
	Falacottah	6.11	11.64	40.60	16th July 1871.	
	Julpigooree	5.96	15.79	52.57	ditto.	
	Boda	3.48	Not received	30.92	9th July 1871.	
	Tezapore	0.30		42.66	ditto.	
COOCH BEHAR.	Nowgong	4.89	ditto	37.06	ditto.	
	Mungledye	2.52	ditto	38.18	ditto.	... From 30th Jan.
	Burpettah	2.88	ditto	39.66	ditto.	
	Gowhatta	3.43	ditto	34.97	ditto.	
	Seabsangor	13.10	ditto	53.08	ditto.	
	Jorehaut	6.96	ditto	42.53	ditto.	... From 27th Feb.
	Golaghata	6.02	ditto	52.27	ditto.	
	Nazeerah	9.07	ditto	50.10	ditto.	
	Debrooghur	6.89	ditto	53.95	ditto.	
	Suddya	3.37	ditto	43.24	ditto.	
	Shilloung	1.27	ditto	33.61	ditto.	
	Cherrapoonjee	8.92	ditto	144.82	ditto.	... From 18th Feb.
	Jowai	1.97	ditto	60.01	ditto.	
	Samoegoodting	2.08	ditto	24.86	ditto.	

HENRY F. BLANFORD,  
*Meteorological Reporter to the Govt. of Bengal.*

CALCUTTA,  
The 22nd July 1871.

**Abstract of the Results of the Hourly Meteorological Observations taken at the Surveyor-General's Office, Calcutta, in the month of June 1871.**

LATITUDE  $22^{\circ} 33' 1''$  north, longitude  $88^{\circ} 20' 34''$  east. Height of the cistern of the standard barometer above the sea-level, 18.11 feet.

**MONTHLY RESULTS.**

Mean height of the barometer for the month	...	...	Inches.
Max. height of the barometer occurred at 9 A.M. on the 1st	...	...	29.523
Min. height of the barometer occurred at 5 P.M. on the 22nd	...	...	29.714
<i>Extreme range</i> of the barometer during the month	...	...	29.842
Mean of the daily max. pressures	...	...	0.372
Ditto ditto min. ditto	...	...	29.579
<i>Mean daily range</i> of the barometer during the month	...	...	29.462
			0.117
Mean dry bulb thermometer for the month	...	...	$\theta$
Max. temperature occurred at 2 P.M. on the 1st	...	...	82.7
Min. temperature occurred at 1 and 2 A.M. on the 30th	...	...	93.8
<i>Extreme range</i> of the temperature during the month	...	...	76.4
Mean of the daily max. temperature	...	...	17.4
Ditto ditto min. ditto	...	...	87.2
<i>Mean daily range</i> of the temperature during the month	...	...	79.8
			7.4
Mean wet bulb thermometer for the month	...	...	80.4
Mean dry bulb thermometer above mean wet bulb thermometer	...	...	2.3
Computed mean dew-point for the month	...	...	78.8
Mean dry bulb thermometer above computed mean dew-point	...	...	3.9
Mean elastic force of vapour for the month	...	...	Inches.
Mean weight of vapour for the month	...	...	0.964
Additional weight of vapour required for complete saturation	...	...	Troy grain.
Mean degree of humidity for the month, complete saturation being unity	...	...	10.36
Mean max. solar radiation thermometer for the month	...	...	1.36
Rained 28 days,—max. fall of rain during 24 hours	...	...	0.88
Total amount of rain during the month	...	...	$\theta$
Total amount of rain indicated by the gauge* attached to the anemometer during the month	...	...	135.8
Prevailing direction of the wind	...	...	Inches.
			4.04
			25.35
			23.56
			S & S S W

\* Height, 70 feet 10 inches above ground.

GOPEENAUTH SEN,

*In charge of the Observatory.*

The 19th July 1871.

**Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 15th to 21st July 1871.**

Month.	Date.	Mean Reduced barometer.	THERMOMETER.				Mean wet bulb.	Mean dew-point.	Mean degree of humidity.	WIND.				Moon's phases.	GENERAL REMARKS.
			Highest reading.	Lowest reading.	Max. solar radiation.	Prevailing direction.				Max. pressure.	Daily velocity.	Rain.			
July ...	15th	Inches.	○	○	○	○	○	○	○	SSW	...	266·5	0·11	...	Stratoni and overcast. Thunder from 9 to 11 P.M. Lightning from 8 to 10 P.M. Slight rain at 8½ and 10 P.M. Overcast and stratoni. Lightning on E. at 9 P.M. Light rain at 3 A.M. Clouds of different kinds. Rain at 3 and 4 A.M. Cirro strati and cumuli. Thunder at 8½ P.M. Lightning on W. at 11 P.M. Drizzled at 11. A.M., and 8½ P.M. Clouds of various kinds. Thunder at 2 P.M. Slight rain at 7 and 11½ A.M., at 1½, 5½, and 7 P.M. Overcast and stratoni. Slight rain at 4, 10, and 12½ A.M., and 3, 6½ and 10 P.M. Overcast and stratoni. Rain at 2, 3½, and from 6 to 11 A.M.
	16th	·542	86·0	81·0	113·0	83·3	81·0	79·4	·88	S & S W	...	151·5	0·02	...	
	17th	·513	86·4	8·5	148·8	82·6	80·1	78·3	·87	W & S	...	85·6	0·83	●	
	18th	·495	89·9	80·5	136·0	83·9	80·8	78·6	·85	S, S E, & E S E	...	30·4	...	...	
	19th	·482	89·0	80·2	110·5	83·2	80·4	78·4	·86	E S E & S E	...	266·2	0·17	...	
	20th	·512	86·5	80·0	148·0	82·4	80·2	78·7	·89	S E & S by E	0·8	257·4	0·38	...	
	21st	·550	84·2	78·0	129·4	80·9	78·9	77·5	·90	S by E & S SW	...	120·6	1·12	...	

The mean barometer, as likewise the dry and wet bulb thermometer means, are derived from the twenty-four hourly observations made during the day.

The dew-point is computed with the Greenwich constants.—The figures in column 10 represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1½ feet, and that of the anemometer 70 feet 10 inches, above the level of the ground.—The velocity of wind, as indicated by Robinson's anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	...	11·9
The max. temperature during the past seven days	...	89·9
The max. temperature during the corresponding period of the past year	...	91·0
The mean humidity during the past seven days	...	0·87
The mean humidity during the corresponding period of the past year	...	0·85
	Inches.	
The total fall of rain from 15th to 21st	... { by lower rain gauge	2·63
	... { by anemometer gauge	2·48
Ditto ditto average of seventeen previous years	...	2·61
Ditto between the 1st January and the 21st July	...	58·99
Ditto ditto ditto ditto, average of seventeen previous years...	...	32·29

GOPEENAUTH SEN,  
In charge of the Observatory.

The 22nd July 1871.

No. 31

of 1871



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, AUGUST 2, 1871.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.*

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### Reports of the Bhaugulpore, Monghyr, and Purneah Municipalities for 1870.

From H. R. MADOCKS, Esq., Officiating Commissioner of the Bhaugulpore Division, to the Officiating Secretary to the Government of Bengal, Judicial Department,—(No. 1180, dated Bhaugulpore, the 5th July 1871.)

SIR,

I HAVE the honor to submit copies of administration reports and statements of receipts and expenditure forwarded by the Bhaugulpore, Monghyr, and Purneah municipalities, with reference to the directions contained in paragraph 2 of the Government letter No. 2441, of the 27th April 1868.

2. There is a considerable want of uniformity in shape and arrangement of the several reports, the more especially so the absence of an elaborate and detailed description of the various works of conservancy, local improvement, sanitation, and construction and repair of roads, for which the Purneah report is the more remarkable. I attribute these shortcomings in a certain degree to the want of a prescribed model for an administration report. I would venture to suggest that the report sent by the vice-chairman of the Serampore municipality, published at page 639 of Supplement to the *Calcutta Gazette* for the year 1870, may be prescribed by Government as a model for the future report of the municipalities in this division. From the details forwarded by the chairman, I find it is impossible to gather material to elaborate a satisfactory report.

BHAUGULPORE.—According to the trial census, the population of this station within the limits of the municipality is 60,222. The total sum budgeted for the year amounted to Rs. 34,000, of which Rs. 28,736 were realized, leaving a balance of Rs. 2,059. The annexed statement exhibits the details of this amount. The incidence of the taxation, exclusive of ferries and fines, tolls, pounds, and miscellaneous receipts, amounts to five annas six pie per head.

*Chief improvements during the year.*—These, the chairman reports, consist of the purchase of six water carts. The sinking of three wells and others commenced. The committee have found from experience that it is impracticable to keep the roads in tolerable order unless they are watered. The metal here being of an inferior quality, hence these arrangements for water.

Land has been taken up and about to be enclosed for Mahomedan burial grounds. The chairman reports that bodies were "buried anywhere and everywhere," and it is to be hoped this practice will now cease. Some of the better class of Mahomedan gentlemen are, however,

extremely loath to inter their relations anywhere except in the family burial spot. Should there be any special rules on this matter as regards the burial sites of respectable Mahomedans in other municipalities, I should be glad to learn them.

*New taxes.*—During the year a tax has been introduced on horses and carriages. This was proposed by the native members of the committee, on the ground of the injustice of taxing hackeries and bullock carts and exempting carriages and buggies.

*Roads.*—The roads, as a rule, are inferior. The chairman states a large contract has been entered into for stone, and it is to be hoped there will be a marked improvement in the existing undulating surface of the station roads.

There are 24 miles of metalled road to keep up in this station, which consists of detached villages. Rs. 8,166 were expended in metalling roads, and Rs. 759 in repair of unmetalled roads.

*Committee.*—The committee consists of seven European members, six Hindoos, and three Mahomedans. There were thirteen meetings in the year, at which a quorum was obtainable. One native member, Mohesh Lall, never attended once, and I would recommend his name be removed by publication in the *Gazette*, as he shows such little interest in municipal matters, or he might be requested to resign. The members of the committee levied fines to the amount of Rs. 824, in marked contrast to Purneah, where only Rs. 181 were levied.

*Registration of births and deaths.*—No regular system in force.

*Conservancy.*—The station has been remarkably healthy during the year. As a rule it is favorably situated for drainage. There are public latrines in various parts of the station, which seem to answer their purpose well.

**MONGHYR.**—According to the trial census, the population of this station within the limits of the municipality is slightly over 53,000. The total sum budgetted for the year was Rs. 46,827, of which Rs. 44,666 were realized, leaving a balance of Rs. 2,859. The annexed statement exhibits the details of these sums.

The incidence of taxation, exclusive of ferries, tolls, pounds, fines, and miscellaneous receipts, is 6 annas per head.

*Chief improvements during the year.*—Rs. 11,000 have been expended in the construction of public latrines.

The chairman reports:—"The accommodation provided is altogether 188 seats for males and 178 for females, and the system followed is dry conservancy. The whole thing has proved so completely successful that, as suggested by the commissioner (Mr. Dalrymple), I propose

\* To follow. to submit a special report\* on the subject, with plans and explanations, in the

belief that the results of our experience may prove of service to other municipalities." A slaughter-house has been constructed, with slate flooring, at a cost of Rs. 976.

The municipal market reported on last year has been completed, and is very successful.

*New taxes.*—None reported.

*Roads.*—As a rule the roads at Monghyr are in good order. The mileage of metalled roads is about 20, and they are in good order. Rs. 7,529 were expended in metalling, and Rs. 1,129 in repairs to unmetalled roads.

*Committee.*—The committee consists of seven European members, one Mahomedan, and five Hindoos.

There were twenty meetings in the year. The chairman reports the native members generally attended.

The members of the committee levied fines to the amount of Rs. 877.

*Registration of births and deaths.*—As at Bhaugulpore and Purneah, no regular system is in force.

*Conservancy.*—The town is reported healthy, and the new latrines and dry-earth system will doubtless assist in keeping it so.

**PURNEAH.**—According to the trial census, the population of Purneah, with 7,572 homesteads, was set down at 11,108 people; but this must be erroneous. Assuming five persons per house, the population may be roughly estimated at 40,000 souls.

The total sum budgetted for the year amounted to Rs. 17,750, of which Rs. 16,488 were realized, leaving a balance of Rs. 2,422. Details are exhibited in annexed statement.

The incidence of taxation, exclusive of ferries, fines, tolls, pounds, and miscellaneous receipts, is five annas nine pie per head.

*Chief improvements during the year.*—No new works of any importance were undertaken during the year.

*New taxes.*—None.

*Roads.*—The metalling of the main road through the city was completed, and the roads generally are kept in good repair. Rs. 2,173-12 only were expended for metalling roads, and Rs. 1,007 in repairs of unmetalled roads. There appear to be only seven miles of metalled road in Purneah.

*Committee.*—The committee consists of five European members, four Mahomedans, and one Hindoo, who held eighteen meetings. A finance committee sat besides, holding seventeen meetings during the year. Aga Sayfoolla Khan, Syud Reza Alli, and Hakeem Zynooddeen, rarely, if ever, attended the meetings; while Mirza Mahomed Hossein was a regular attendant, and takes considerable interest in municipal matters.

The members of the committee levied fines to the amount of only Rs. 181, which, when compared with Bhaugulpore, Rs. 824, and Monghyr, Rs. 877, exhibits either much greater respect

on the part of the inhabitants for the by-laws, or else a considerable diminution of supervision as to their breach.

*Registration of births and deaths.*—No arrangement in force.

*Conservancy.*—The chairman does not refer to this subject; but there has been no outbreak of sickness during the year. The chairman reports he was unable to afford much personal attention to municipal matters owing to the number of other calls upon his time.

The police of each town costs as follows:—

			Population.	Rs.
Bhaugulpore	...	...	60,200	8,647
Purneah	...	...	40,000	6,252
Monghyr	...	...	53,000	8,674

A comparative statement is annexed, exhibiting the amounts budgetted and realized under the various heads for each municipality.

From V. T. TAYLOR, Esq., Chairman of the Municipality, Bhaugulpore, to the Commissioner of the Bhaugulpore Division,—(No. 25, dated Bhaugulpore, the 20th June 1871.)

SIR,

I HAVE the honor to submit herewith the usual annual report of the Bhaugulpore municipal commissioners for the past year, 1870-71.

I have adopted the plan of the Purneah municipality this year, and send a statement showing the income and expenditure of the Bhaugulpore municipality funds for the year 1870-71, with the addition of a column showing the budgetted figures.

The chief improvements during the year have been, *first*, the purchase of six water carts, the full benefit of which will, I hope, be felt after the close of the rainy season of 1871; *secondly*, the sinking of three wells, which, owing to uncontrollable circumstances, were not completed at the close of the year. The sites for three wells were fixed, and the wells commenced; and they will, I trust, be all in use, and of very great benefit, before very long, the want of water, as reported in the last year's report, being a great evil; and *thirdly*, the purchase of three plots of ground, of about ten beegahs each, for Mahomedan burial grounds. The lands were taken up under the Act under the orders of Government dated 11th October 1870, and were handed over to the commissioners by the collector on 20th April 1871. Steps will be taken to ensure their use as soon as they are properly enclosed. This last I look upon as the greatest possible improvement, as the present practice which obtains, of burying bodies anywhere and everywhere, cannot but be attended with evil results, and the sanitary condition of the town must benefit greatly.

During the year a tax was introduced and passed on horses and carriages. The proposal was carried *nem con.*, and the native members of the committee, though possessing horses and carriages themselves, concurred in the unfairness of taxing hackeries or bullock carts of the poorer natives while the richer gentlemen, natives as well as Europeans, paid nothing. In this view I entirely concur.

There has been some difficulty in realizing the tax on hackeries, which during the coming year the committee propose to remedy.

During the year the committee entered into a large contract for the supply of stone, and they hope to make several roads properly and well during 1871-72. The kunkur, with which the roads have hitherto been repaired, has proved a failure, chiefly owing to the great difficulty experienced in procuring it of any good quality.

The office of chairman was held by me throughout the year, and that of vice-chairman by Dr. N. B. Baillie until 30th April last, when he took leave, and his place was taken by the joint-magistrate, Mr. Trevor Grant.

There were thirteen meetings well attended throughout the year, only one member, Baboo Mohesh Lall, not attending at all. There were other meetings called, at which a quorum was not attainable. Several new members were added at the close of the year, and I doubt not that next year will show altogether an improved state of things.

From J. B. WORGAN, Esq., Chairman of the Municipal Commissioners of Purneah, to the Commissioner of the Bhaugulpore Division,—(No. 5, dated Purneah, the 9th May 1871.)

SIR,

I HAVE the honor to submit the usual annual statement of the actual income and expenditure of the Purneah municipal improvement fund for the year 1870-71, with the addition of a column showing the budgetted figures under each head, which may be found useful for ready reference.

2. The main differences observable are touched briefly upon in the appendix accompanying. They are not very great in any item except wheel tax, and this certainly does not shew that the budget has been properly worked up to. I am disposed to think that some amendment of the law is desirable, especially as regards the non-notification of demand. The issue of notice of demand would, I think, obviate much hardship and save much trouble. Much

default now happens because men think they are not known and may escape, which the issue of a notice would prevent. As it is, 75 per cent. of the cart owners have to be prosecuted in order to get the tax in at all.

3. The income of the year is less by Rs. 1,490 than the budget and estimate; whilst the expenditure is some Rs. 4,400 less. Budgets are, however, made so early, under existing arrangements, that this is not unintelligible.

4. The Sowrah bridge is still in fair trafficable condition.

5. Thirteen meetings of the full committee were called, and the finance and road sub-committee held seventeen meetings during the year.

6. The accounts were regularly overhauled by me every month, and the progress of collection, current and outstanding, watched by means of tables specially devised and appended to the monthly accounts. Beyond this I was not able to afford much personal attention to municipal matters during the year, owing to the number of other calls upon my time, and I found the assistance of the sub-committee, whose proceedings I regularly revised, very valuable.

7. No new works of importance were undertaken during the year, but the metalling of the road through the city was completed, and the thoroughfares generally kept in good order.

From G. N. BARLOW, Esq., c.s.i., Magistrate, and Chairman to the Municipal Commissioners, Monghyr, to the Commissioner of the Bhaugulpore Division,—(No. 14, dated Monghyr, the 22nd April 1871.)

SIR,

I HAVE the honor to submit the administration report of the Monghyr municipality for the year ending 31st March 1871.

2. The statement of receipts and expenditure shows how the monies received have been expended. The actual total receipts of the year amounted to Rs. 44,666, and the disbursements were Rs. 45,047.

3. The principal works undertaken by the commissioners during the year are as follows:—

(a.)—A sum of upwards of Rs. 11,000 have been spent in constructing public latrines for the town. The accommodation provided is altogether 188 seats for males and 178 for females, and the system followed is dry conservancy. The whole thing has proved so completely successful that, as suggested by the commissioners (Mr. Dalrymple), I propose to submit a special report\*

\* To follow. on the subject, with plans and explanations, in the belief that the results of our experience may prove of service to other municipalities.

(b.)—A slaughter-house for the use of the town has been constructed. The building is well fitted with slate flooring, and cost Rs. 976. Application has been made to Government for the introduction of Act VII (B.C.) of 1865.

(c.)—A sum of Rs. 7,529 has been spent in remetalling, and another sum of Rs. 1,129 in repairing roads in the town. The work has not been entirely satisfactory, owing to the fact, I believe, that the kunkur is found to have deteriorated. The determination has had to be adopted to allow 25 per cent. more metal, so as to admit of cleaning, which necessarily adds to the expense. This is unfortunate when there is much work requiring to be done and an insufficiency of funds wherewith to do it.

(d.)—The municipal market, which I reported last year as having first been opened, has succeeded very well. The idea that persons whose habit of working their shops for petty sales on the public road had been put a stop to would turn sulky and refuse to resort to the market, has not proved to be correct. The market is freely used, and increased accommodation in the way of a circle of enclosed sheds around three sides of the building has been added by the municipality during the year.

4. The health of the town has been good during the past year, and I am backed by the opinion of others when I say that there has been marked improvement in the sanitary condition. This may be traced to the unmistakeable good results of the new latrines, and also to the increased activity in respect to enforcement of by-laws which has been exhibited by the municipal commissioners since the comments contained in the last sanitary report were made known to them. The arrangements for reporting offences against the municipal laws, and for trial of cases, have been placed on a sound footing.

5. I regret to say that on financial grounds the committee have had to abandon (for the present year at all events) the intention of carrying out a survey of the town as the initial step towards drainage. There are so many things requiring attention, that it is difficult to select between conflicting claims at the same time, and after the exertions of the past year the pressure of want of funds is beginning to make itself felt more sensibly than before.

6. The attendance of the commissioners at meetings during the year has been satisfactory.

*Municipal Improvement Fund under Act III (B.C.) of 1864, for the year 1870-71, commencing from 1st April 1870 to 31st March 1871.*

<i>Income.</i>	Amount. Rs. As. P.	Total. Rs. As. P.
Balance of last account ..	.....	7,304 2 4
Amount collected on account of the rate of 5 per cent. upon the annual value of houses ..	11,606 9 10	
Amount remitted, being irrecoverable ..	977 10 5	
Ditto refunded to parties on account of old chowkeydaree tax collected in advance ..	6 3 0	
Ferry collections ..	10,523 8 0	12,590 7 3
Pound ditto ..	889 4 3	11,412 12 3
Fines under Act III of 1864 and bye-laws ..	823 9 9	
Fees ditto ditto 1847 ..	34 12 0	
Fees on account of registration of hackeries ..	2,015 1 9	
License fees under section 77 of Act III of 1864 ..	347 3 6	
Carriages and horses under Act III of 1864 ..	831 0 0	
Amount of relief fund by magistrate's transfer ..	675 4 3	4,051 11 0
Refunded pay of an overseer ..	6 4 7	681 8 10
Total ..	.....	36,040 9 8

*Disbursement.*

Charges incurred in the collection of the rate of 5 per cent. upon the annual value of houses ..	1,378 8 0	
Conservancy establishment ..	3,607 1 5	
Road establishment ..	2,522 11 3	
General charges ..	632 10 4	
Metalling roads ..	8,166 11 3	8,240 15 0
Repairing kutchha roads ..	759 0 0	8,925 11 3
Police ..	8,647 9 10	8,647 9 10
Repairing latrines ..	269 6 0	
Printing ..	139 2 0	
Culvert ..	348 13 9	
Contingencies ..	410 15 11	757 5 9
Add amount refunded to parties on account of chowkeydaree tax collected in advance ..	6 3 0	
Add amount refunded to parties on account of house-tax remitted, being irrecoverable ..	977 10 5	1,394 13 4
Balance on 31st March 1871 ..	.....	8,074 2 6
Total ..	.....	36,040 9 8

BHAUGULPORE,  
The 20th June 1871.

V. T. TAYLOR,  
Chairman.

*Statement of Municipal Improvement Fund under Act III (B.C.) of 1864, for 1870-71.*

Receipts.	Budgetted.	Actuals.
	Rs. As. P.	Rs. As. P.
To balance from last account	... 2,000 0 0	2,085 4 3
To outstanding balances of house assessment realized	... ...	177 1 0
Ditto ditto of land ditto	... ...	57 14 0
Ditto ditto of cart tax, July to December 1868	... 2,000 0 0	3 0 0
Ditto ditto, January to June 1869	... ...	199 0 0
Ditto ditto, July to December 1869	... ...	283 0 0
Ditto ditto, January to June 1870	... ...	968 0 0
On account of current house assessment, at 6 per cent.	... 11,450 0 0	11,048 4 6
Ditto of land assessment, at 6 per cent.	... 500 0 0	383 12 9
Ditto of Sowrah toll collection	... 1,600 0 0	2,114 11 0
Ditto of fines	... 50 0 0	180 12 0
Ditto of current cart tax, i.e., July to December 1870, and January to June 1871	... 2,600 0 0	790 0 0
Ditto of miscellaneous receipts	... 50 0 0	21 0 9
Ditto of pound proceeds	... 1,500 0 0	1,405 11 6
Money refunded by district superintendent, police, savings from municipal police	... .....	543 5 0
Total	<hr/> 21,750 0 0	<hr/> 20,260 12 9

*Disbursements.*

By charges incurred in the collection of 6 per cent. upon annual value of houses, buildings, and lands	... 464 0 0	273 0 0
General charges—establishment of the office of municipal commissioners, constituted under Act III of 1864, including salaries of overseer, secretary, and vaccinator	... 2,640 0 0	2,605 2 0
Miscellaneous and contingent charges, including purchase of stationery	... 50 0 0	224 0 0
Expended in construction of pucca roads and repairs of old metallised roads	... 5,000 0 0	2,173 12 0
Expended in maintaining kutchha roads	... 800 0 0	1,007 15 0
Conservancy charges	... 852 0 0	649 6 0
Amount paid for maintenance of police	... 6,252 0 0	6,252 0 0
Amount expended in repairs of pounds, salary of pound-keepers, and money returned under section 11, Act III of 1857	... 383 0 0	205 1 0
Toll charges	... 608 0 0	522 15 6
Amount expended in notification and registration of carts	... 25 0 0	50 10 0
Amount expended in complaints to recover dues from defaulting cart owners	... 100 0 0	7 0 0
Amount expended in putting up new hand railing to Haddon's bridge	... 250 0 0	50 0 0
Total	<hr/> 18,440 0 0	<hr/> 14,020 13 6
Balance in hand	<hr/> ... .....	<hr/> 6,239 15 3
Grand total	<hr/> ... .....	<hr/> 20,260 12 9

J. B. WORGAN,  
*Chairman.*

*Bhaugulpore Municipality.*

Rs.

HOUSE TAX	... {	Budgetted	...	...	15,700
		Realized	...	...	*12,590
		Balance	...	...	3,110
CARRIAGE AND HORSE TAX	... {	Realized	...	...	831
TAX ON HACKERIES	... {	Budgetted	...	...	3,700
		Realized	...	...	2,015
		Balance	...	...	1,685
FINES	... {	Budgetted	...	...	b 1,000
		Realized	...	...	824
		Balance	...	...	176
MISCELLANEOUS	... {	Realized	...	...	682
LICENSE FEES	... {	Budgetted	...	...	a 100
		Realized	...	...	382
FERRY COLLECTIONS	... {	Budgetted	...	...	b 12,000
		Realized	...	...	10,523
		Balance	...	...	1,477
POUND FUND	... {	Budgetted	...	...	b 1,500
		Realized	...	...	889
		Balance	...	...	611
TOTAL	... {	Budgetted	...	...	34,000
		Realized	...	...	28,736
		Balance	...	...	7,059

Incidence of tax per head, 5 annas 6 pie.

*Monghyr Municipality.*

Rs.

HOUSE TAX	... {	Budgetted	...	...	17,900
		Realized	...	...	c 17,046
		Balance	...	...	854
CARRIAGE AND HORSE TAX	... {	Budgetted	...	...	b 1,400
		Realized	...	...	1,351
		Balance	...	...	49
TAX ON HACKERIES	... {	Budgetted	...	...	a 1,250
		Realized	...	...	1,275
REGISTRATION OF PALAN- QUINS AND CARRIAGES UNDER ACT V OF 1866	... {	Budgetted	...	...	a 102
		Realized	...	...	108
FINES	... {	Budgetted	...	...	b 1,000
		Realized	...	...	877
		Balance	...	...	123
MISCELLANEOUS	... {	Budgetted	...	...	a 2,850
		Realized	...	...	3,406
LICENSE FEES	... {	Realized	...	...	94
FERRY COLLECTIONS	... {	Budgetted	...	...	b 22,000
		Realized	...	...	20,167
		Balance	...	...	1,833
POUND FUND	... {	Budgetted	...	...	a 325
		Realized	...	...	342
TOTAL	... {	Budgetted	...	...	46,827
		Realized	...	...	44,666
		Balance	...	...	2,859

Incidence of tax per head, 6 annas.

\* Inclusive of Rs. 977-10-5 remitted, and Rs. 7,120 realized, on account of outstanding balance, and Rs. 6-3 refunded.

a. Under-estimated.

b. Over-estimated.

c. Inclusive of outstanding balance.

	<i>Purneah Municipality.</i>			Rs.
HOUSE TAX	Budgetted	...	...	11,450
	Realized	...	...	11,048
	Balance	...	...	402
LAND-RATE	Budgetted	...	...	b 500
	Realized	...	...	384
	Balance	...	...	116
TAX ON HACKERIES	Budgetted	...	...	2,600
	Realized	...	...	790
	Balance	...	...	1,810
TOLL	Budgetted	...	...	a 1,600
	Realized	...	...	2,115
FINES	Budgetted	...	...	a 50
	Realized	...	...	181
MISCELLANEOUS	Budgetted	...	...	a 50
	Realized	...	...	564
	Budgetted	...	...	b 1,500
POUND FUND	Realized	...	...	1,406
	Balance	...	...	94
TOTAL	Budgetted	...	...	17,750
	Realized	...	...	16,488
	Balance	...	...	2,422

Incidence of tax per head, 5 annas 9 pie.

a. Under-estimated.

b. Over-estimated.

N. B.—In finding out the incidence of the tax per head, the amount realized on account of ferries, tolls, pounds, fines, and miscellaneous receipts, has been included.  
The number of population in the Bhaugulpore municipality is 60,222; in Monghyr, 53,981; in Purneah, 40,000.

H. R. MADOCKS,  
*Offg. Commissioner.*

#### MUNICIPAL IMPROVEMENT FUND.

*Statement of Monghyr district for the year 1870-71.*

	Rs.	As.	P.	Rs.	As.	P.
Dr.—To Balance on the 31st March 1870	...	9,161	11	4		
" Ditto in the hand of overseer on 31st March 1870	...	...	...	414	13	9
,, Municipal house-rate collection at 5½ per cent.	...	...	...	17,045	15	11
,, Registration of palanquin and carriages under Act V (B.C.) of 1866	...	...	...	108	8	0
,, Fines realized	...	...	...	877	4	0
,, Municipal ferry collection (including an advance of 1872-73)	...	...	...	20,166	10	8
,, Ditto pound collection	...	...	...	341	10	6
,, Registering fees of carriages and horses, under section 35 of Act III of 1864	...	...	...	1,351	8	0
,, Registering fees of bullock carts, under section 49 of Act III of 1864	...	...	...	1,275	0	0
,, License fees of brick and lime kilns, under section 77 of Act III of 1864	...	...	...	94	8	0
,, Collections of Ramproshad's Hauz belonging to the municipality	...	...	...	134	8	6
,, Miscellaneous contingencies	...	...	...	3,271	1	11
Total	...	.....		44,666	11	6
				54,243	4	7

	Rs. As. P.	Rs. As. P.
<i>Cr.—By expenses of collecting establishment</i>	... ..... 1,479 0 0	
<i>General charges, &amp;c.</i>		
,, "Overseer and office establishment	... 2,152 0 0	
,, Ditto ditto contingencies	... 775 8 1	2,927 8 1
,, Conservancy establishment	... 2,559 14 10	
,, Purchase of five night-soil carts, including their freight, &c.	... 1,511 14 0	
,, Repairing and constructing conservancy wagons, including their contingencies	162 9 3	4,234 6 1
,, Building nine new latrines within the town	..... 11,027 8 5	
,, Ditto one at Baboo Ramproshad's Haut	..... 203 13 0	
,, Municipal police establishment and clothing allowance	... 8,674 6 5	
,, Repairing police phandees within the town	130 8 8	8,804 15 1
,, Monghyr pound establishment	... 72 0 0	
,, Ditto contingencies	... 6 12 0	
,, Constructing cattle pound wall	... 134 0 0	212 12 0

*Local improvements.*

By Subscription to public garden	... 240 0 0	
,, Cost of lighting town roads	... 600 0 0	
,, Repairing and protecting lamp posts within the town	... 11 4 6	
,, Watering town roads	... 210 0 7	
,, Cutting jungle within the town	... 53 4 0	
,, Planting trees on road side	... 76 14 9	
,, Salary of vaccinators	... 110 0 0	
,, Building new slaughter-house	... 976 4 0	
,, Deepening and constructing drains within the town	... 783 15 6	
,, Constructing tiled sheds at Baboo Ramproshad's Haut	... 747 4 5	
,, Repairs of Baboo Ramproshad's market, and supplying wooden pillars to ditto	... 310 0 0	4,118 15 9

*Roads.*

By Metalling roads...	... ... ..	..... 7,529 4 10
,, Repairing kutcha town roads, &c.	... .. ..	..... 1,129 2 6
,, Ditto Government shops belonging to the charitable dispensary	... .. ..	..... 443 6 11
,, Miscellaneous expenses	... .. ..	..... 2,936 14 2
,, Balance on the 31st March 1871	... 8,931 13 4	
,, Ditto in the hand of the overseer on 31st March 1871	... 263 12 5	9,195 9 9
Total	... .. ..	54,243 4 7

Memorandum by G. N. BARLOW, Esq., c.s.i., Chairman to the Municipal Commissioners, Monghyr,—(dated Monghyr, the 22nd April 1871.)  
COPY forwarded to the Commissioner of Bhaugulpore.

**Restrictions on Expenditure in India for European or American Stores.**

Memorandum by R. H. HOLLINGBERY, Esq., Assistant Secretary to the Government of India, Financial Department,—(dated Simla, the 23rd May 1871.)

COPY forwarded to the Government of Bengal.

No. 402.

GOVERNMENT OF INDIA.

FINANCIAL DEPARTMENT.

RESOLUTION.

*Simla, the 23rd May 1871.*

THE Governor General in Council is pleased to issue the following instructions for restricting expenditure in India for European or American stores, including books and maps, and for ensuring the debit to provincial services or local funds of supplies which may be provided for them by the India Office.

2. With respect to books, it is laid down in a despatch from the Secretary of State for India, No. 4, dated 4th January 1870, that when supplies of these\* are obtained from England, they should be procured, in accordance with existing rule, through the India Office, and not direct from firms in England.

3. In the course of 1870-71, the Government of India reported to the Secretary of State that it had allowed exemptions from this rule in favor of the Trigonometrical and Geological Surveys and the Indian Museum, on the ground of the necessity of their being supplied with certain publications at the earliest possible date, and of the delays which would seriously hamper the business of the departments (particularly the Trigonometrical Survey) if the ordinary routine for indents for Europe stores had to be observed by the departments in getting such supplies through the India Office.

4. On a similar ground of delay involved in the ordinary routine, and of the more economical arrangements which (it was held by the Punjab Government) could be made if the book dépôt of that Government were allowed to deal direct with firms in England, the Government of India asked the Secretary of State to exempt the dépôt from the operation of his despatch dated 4th January 1870.

5. In his replies to these representations, the Secretary of State declined to modify his orders, and requested the Government of India to take measures for carrying out in all cases the instructions contained in the despatch of 4th January 1870, arrangements having been "made with Messrs. Allen and Company for the supply of all books required for India with the greatest possible despatch, and on terms even more favorable than those stated in paragraph 4 of my despatch above referred to."

6. To obviate the delay inseparable from indents at fixed periods, the Secretary of State directed, as a preferable course, that when the supply of books required by a department has been sanctioned by the Government of India, or by a local Government, a requisition for them should be forwarded in a Secretary's letter to the Financial Secretary in the India Office.

7. By the introduction of the scheme of provincial services, it has become necessary for the Governor General in Council to add to these directions that the application to the Financial Secretary in the India Office for books for the departments of education, police, sanitation, vaccination, jails, or any other branch appertaining to provincial services or local funds, should be addressed in a letter separate from any pertaining to imperial services in India, and that a copy of the application relating to provincial services should be furnished to the local Accountants-General, who should report annually to the Government of India in this department the instances in which it may be probable that the India Office has omitted to debit in the remittance account with India the cost of any supplies for provincial services or local funds. In debiting such cost to the provincial service or local fund concerned, the local Accountants-General will add thereto the amount of loss by exchange on the Secretary of State's bills on India which will have been incurred in paying for the supplies.

8. These instructions provide for the bulk of the possible supplies of books from England. The remaining supplies, or those chargeable to imperial services in India, will consist, *firstly*, of regimental school-books, which are charged in the Military Department; *secondly*, periodical or official publications, which should in all cases be obtained through the India Office; *thirdly*, books of reference, which, however useful or desirable, can await the regular course of supply prescribed in the 6th paragraph of this resolution; and *fourthly*, other books of reference, urgently wanted for a particular occasion, of adequate importance, but which are not obtainable for that occasion from any other Government office.

9. The indents for the first kind of supply, or regimental school-books, are regulated under rules in the Military Department; the requisitions for the second and third kinds will be made by the local Governments, or (for establishments under the Government of India) by the administrative departments of that Government, with the same attention to economy and

jealousy of needless requisitions as if the expenditure for the supplies continued to be charged in their respective budgets; while those authorities or heads of departments to whom they may delegate their power will sanction, as a contingency, the expenditure for the fourth kind of supply, that is, for petty purchases in this country.

10. These directions apply equally to the supplies of books for provincial services, with the following modifications respecting books for the Education Department, *viz.*—

I.—The several book depôts which are managed by Government officers should get their regular supplies of English books and maps through the India Office.

II.—In all cases in which the authorities who are competent to spend the allowance to a college or school, for a library or for prizes, can arrange for the cheapest mode of supply, *viz.* by a timely requisition for books from England. An order for the books should not be given to any firm in India or in England, but an application for them should be submitted through the local Government to the India Office, in the manner prescribed in the 7th paragraph of this resolution.

III.—Bills for the cost of European publications purchased in this country, and not falling under clauses I and II, may be passed for establishments of the Government of India by the Administrative Secretariats in the proper departments, and for other establishments, under any rules to be laid down by the local Government, which may be consistent with the general principle that books procured from England to the order of Government officers should be got through the India Office, and that in all practicable cases this, the cheapest mode of supply of such books, should be preferred to local purchases.

11. For other articles of European or American manufacture, the following rules will be observed:—

I.—Valuable stores, such as machinery, important stores, or those of which the consumption is large, and other stores of customary supply from England, of which a stock has to be kept, should be obtained through the India Office, and not direct from the manufacturers in England. Such stores should not be purchased in India, except *firstly* (under sanction of the Government of India or the local Government, as the case may be), when stores indented for from England have not arrived, and inconvenience to the public service is anticipated from any delay in the supply; *secondly*, under sanction of the head of department when small supplies of stores usually procured from England are urgently necessary.

II.—Purchases in this country are permitted, *firstly*, of perishable articles; *secondly*, of articles of occasional and uncertain consumption, in respect of which, if a department had to depend on England for its supply, it would have to retain a stock of every article that could possibly be wanted, notwithstanding the uncertain and casual demand for it. The Government of India, in its administrative departments, will define the articles which come under this rule, on the recommendation of local Governments or heads of departments, and on the basis of the actual expenditure for a sufficient number of years. The orders passed should be communicated to the Financial department for information and for report to the Secretary of State for India.

III.—Printing materials do not come within clause II, nor do they fall completely under clause I. Whenever they are obtained from England, they should be got through the Secretary of State; and local purchases of European printing materials for regular or extensive renewals should be avoided by timely application for the stores from England.

12. Rules for ensuring the debit to provincial services or local funds of public works stores supplied from Europe already exist; and if they require to be supplemented in furtherance of the rule in paragraph 11, section II of this resolution, needful orders will be issued in that department.

13. For hospitals and dispensaries which are now merged in provincial services, Europe stores are obtained on indent of the Military department, the services being charged with the supply. This course will continue, and indents for medical stores, separate from the usual annual indents for such stores, will not be forwarded to the Secretary of State by local Governments.

14. In the police department, the procedure of the local Governments is not uniform. In the Bombay Presidency, police clothing has of late been obtained from England through the India Office. In the Central Provinces, and it is believed in the Madras Presidency, the cloth for part of the uniform is obtained from the manufacturers in England. In all the provinces where this course obtains, the local Governments and administrations should arrange for complying with the imperative orders of the Secretary of State, and (as in the Bombay Presidency) obtain the cloth and other materials through the India Office, instead of direct from the firms. As a preliminary step, priced samples of the cloth and other materials should be sent for his decision on the rates at which the India Office will obtain the articles.

15. For the Education Department, the instructions in paragraph 10, and for jails the general instructions in paragraph 11, are sufficient.

16. As with the application for books for the Educational Department, (paragraph 7 of this resolution,) so with stores for other civil provincial services, the indents on the Secre-

tary of State for stores for those services should be kept distinct from indents for imperial stores ; and a copy or sufficient abstract of the first-mentioned indents should, at the time of their transmission to the Secretary of State, be sent to the local Accountants-General, as a check upon any possible omissions by the India Office to debit the cost of the supplies in the remittance account with India.

17. Indents in the civil department for stores for imperial services, or applications to the Financial Secretary in the India Office for books for those services, should be superscribed Imperial Service.

**ORDER.**—Ordered, that a copy of this resolution be sent to the Foreign, Home, Military, and Public Works Departments ; the local Governments ; the Comptroller-General ; the several Accountants-General ; and the Deputy Accountants-General in independent charge.

Also, that it be reported to the Right Hon'ble the Secretary of State for India.

R. B. CHAPMAN,  
*Secretary to the Govt. of India.*

*Statement shewing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of the Lower Provinces of Bengal, for the week ending 29th July 1871.*

Number.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and Prospects of the Crops at date.	REMARKS.
1	Bhaugulpore	... July 29th	6·3	Rainy in North and South.	Ous generally damaged.	
2	Monghyr	... " 22nd	3·9	Favorable ...	Amun very good.	
		... " 29th	6·7	Favorable generally.	Favorable.	
3	Purneah.				Bhadoi partially damaged.	
4	Godda.				Paddy cheerful.	
5	Nya Doomka	... July 29th	2·4	Seasonable ...	Very favorable.	
6	Rajmehal	... " 29th	4·	Easterly winds.	Very good. Janerah poor, owing to much rain.	
7	Deoghur	... " 29th	2·1	Little cloudy.		
8	Burdwan.			Very favorable	Very good.	
9	Bancoorah.					
10	Beerbhoom	... " 22nd	3·1	Generally cool	Transplanting begun. A little more rain would be good.	
		... " 29th	2·5	Some heavy showers.	Very good. A little more rain in some parts is desirable.	
11	Hooghly.				Very flourishing on high lands; failure where the water is deep.	
12	Howrah	... July 29th	3·0	Favorable ...	Good; but it depends on the continuance of rain.	
13	Midnapore	... " 29th	1·3	Favorable ...		
14	Chittagong.					
15	Tipperah.					
16	Bullooah.					
17	Dacca.					
18	Backergunge	... July 22nd	4·9*	Rainy ...	Good	* From 1st January to 15th July 1871, 51·8 inches.
19	Furreedpore.					
20	Mymensingh.					
21	Sylhet	... July 24th	4·5	Rain in abundance	Most satisfactory.	
22	Cachar.					
23	Cuttack.					
24	Balasore.	July 29th	·6	Close and steaming, but not unhealthy.	Good.	
25	Pooree.					
26	Nuddea	... July 29th	4·3	Generally favorable. Much fever at Ranaghata and Sudder	Generally flourishing.	
27	Jessore.					
28	24-Pergunnahs.					
29	Patna	... July 29th	3·4	Rather rainy ...	Bhadoi much injured. Paddy promising.	
30	Gya.					
31	Chumparun.					
32	Sarun.					
33	Shahabad	... July 28th	2·0	Heavy rains ...	Bhadoi crop injured by early rain. Rice promises well, and sugar-cane excellent.	
34	Tirhoot.					
35	Rajshahiye.					
36	Bograhs	... July 21st	5·8	Cloudy and squally.	Good.	
37	Dinagepore	... July 22nd	8·8	Wind variable and constant showers.	Favorable.	
38	Maldah	... " 22nd	4·8	Continual rain.	Fair.	
39	Moorshedabad.					
40	Pubna.					
41	Rungpore.					
42	Lohardugga.					
43	Hazareebaugh	... July 29th	3·8	Seasonable ...	Very favorable, but more rain wanted.	
44	Maunbhoom	... " 22nd	4·9	Favorable ...	Favorable.	
		... " 29th	1·3	Ditto ...	Thriving.	

514 SUPPLEMENT TO THE CALCUTTA GAZETTE, AUGUST 2, 1871.

Number.	District.	Date of return from each district.	Rainfall at Sandar Station in inches.	Character of the weather in the district as far as known.	State and Prospects of the Crops at date.	REMARKS.
45	Singbloom.					
46	Durrung.					
47	Kamroop.					
48	Luckhimpore.					
49	Nowgong.					
50	Seesangor.					
51	Darjeeling	... July 21st	61.2*	Very rainy, but seasonable and healthy.	Hill crops in good condition.	* From 1st January 1871.
52	Gowalparah.					
53	Julpigoree	... July 22nd	3.2	Seasonable ...	Fair.	
54	Cooch Behar	... 22nd	†	Good deal of rain.	Good	... † No rain-gauge kept.
55	Hill Tracts of Chittagong.					
56	Khasi and Jynteah Hills.					
57	Garo Hills.					
58	Pakour	... July 29th	.8	Dry	Janerah half expected. Paddy good.	

N.B.—The columns of the districts from which returns have not been received remain blank.

Published for general information,

FORT WILLIAM,  
The 1st August 1871.

R. H. WILSON,  
Off. Under-Secy. to the Govt. of Bengal.

Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

Divisions.	Stations.	Rainfall from 10th to 16th July 1871.	Rainfall from 17th to 23rd July 1871.	RAIN FROM 1ST JANUARY 1871.		REMARKS.
				Rain.	Up to date.	
CUTTACK.	Cuttack { Telegraph Office ...	3.70	3.40	34.08	23rd July 1871.	
	Jail ...	2.56	2.70	30.24	ditto.	
	False Point ...	Not received	Not received	27.10	9th July 1871	
	Jajipore ...	6.43	6.43	40.82	23rd July 1871.	
	Kendraparah ...	0.60	5.30	27.60	ditto.	
	Jugutsingpore ...	2.20	1.50	28.13	ditto.	
	Sumbuipore ...	2.59	3.35	21.81	ditto.	
	Balasore ...	2.74	3.46	30.56	ditto.	
	Bhuddruck ...	2.22	4.65	30.32	ditto.	
	Pooree ...	5.18	3.11	32.78	ditto.	
CHOTA NAGPORE.	Khoordah ...	2.62	1.79	34.19	ditto.	
	Hazareebaugh ...	2.47	5.33	19.27	ditto.	
	Burhee ...	2.35	2.80	21.18	ditto.	
	Pachamba ...	2.32	3.08	29.34	ditto.	
	Ranchee ...	2.01	3.92	29.16	ditto.	
	Palamow ...	3.33	4.31	25.70	ditto.	
	Purulia ...	6.05	2.83	30.24	ditto.	
	Gobindpore ...	6.11	6.13	20.07	ditto	From 12th June.
	Chyebassa ...	1.25	2.61	25.36	ditto.	
PATNA.	Patna ...	6.27	4.93	30.75	ditto.	
	Behar ...	6.47	9.11	30.54	ditto.	
	Bach ...	6.66	2.49	20.43	ditto.	
	Diuapore ...	6.33	2.80	26.44	ditto.	
	Gya ...	4.64	3.26	25.01	ditto.	
	Sherghatty ...	5.46	1.58	19.68	ditto.	
	Nowadah ...	4.17	1.81	22.14	ditto.	
	Arunagabad ...	2.98	2.85	13.59	ditto.	
	Chumparun ...	4.76	Not received	21.77	16th July 1871.	
	Bettiah ...	5.78	4.15	22.59	23rd July 1871	From 5th June.
BHAGULPORE.	Chuprah ...	6.71	8.99	31.15	ditto.	
	Sewan ...	5.94	2.62	27.71	ditto.	
	Mozufferpore ...	4.00	3.90	31.88	ditto.	
	Durbhangah ...	5.60	3.35	38.90	ditto.	Not received 15th to 21st May.
	Seetamaree ...	0.60	3.10	27.06	ditto.	
	Tajpore ...	3.20	4.90	25.04	ditto	Not recorded 6th to 19th March.
	Mudhubani ...	4.98	1.47	24.47	ditto	From 1st April.
	Hajipore ...	4.26	5.35	16.56	ditto	From 22nd May.
	Arrah ...	6.46	3.85	25.04	ditto.	
	Buxar ...	7.10	10.25	34.46	ditto.	
RAJASTHAN.	Sassaram ...	6.70	5.00	19.82	ditto.	
	Bhubhoohah ...	11.77	4.84	31.96	ditto.	
	Benares ...	3.80	Not received	16.93	16th July 1871.	
	Bhaugulpore ...	2.65	4.60	18.07	23rd July 1871.	
	Mudheypoorah ...	Not received	2.93	26.00	ditto	Not received 10th to 16th July.
	Banka ...	5.89	2.14	26.48	ditto.	
	Monghyr ...	5.28	5.21	27.27	ditto.	
	Jamooie ...	6.93	4.50	27.66	ditto.	
	Begoosari ...	4.67	3.11	21.91	ditto.	
	Deoghur ...	4.73	4.22	30.34	ditto.	
BUNDYAN.	Jaintara ...	7.32	3.93	33.08	ditto	From 13th Feb.
	Rajmehal ...	5.20	Not received	30.30	16th July 1871.	From 12th Feb.
	Pakour ...	5.75	3.20	21.00	23rd July 1871	From 21st May.
	Purneah ...	4.93	5.57	34.68	ditto.	
	Kishengunge ...	10.59	5.30	27.85	ditto	From 12th June.
	Arraria ...	6.37	5.84	25.02	ditto	From 26th June.
	Rampore Beauleah ...	9.70	3.71	40.23	ditto.	
	Nattore ...	12.95	6.50	47.71	ditto.	
	Bograh ...	6.00	Not received	61.18	16th July 1871.	
	Dinagepore ...	4.65	7.00	42.70	23rd July 1871.	
CONDA.	Maldah ...	5.37	3.65	28.43	ditto.	
	Berhampore ...	6.77	1.42	35.47	ditto.	
	Jungipore ...	3.78	4.14	33.36	ditto.	
	Lalbagh ...	4.21	3.74	28.95	ditto	From 16th Jan.
	Jameokandi ...	2.72	2.68	25.03	ditto	From 7th April.
	Pubna ...	2.53	2.62	37.78	ditto.	
	Coomercolly ...	Not received	Not received	5.02	23rd April 1871.	Not recorded from 1st May.
	Serajgunge ...	8.79	2.42	50.61	23rd July 1871.	
	Rungpore ...	10.10	6.90	59.70	ditto.	
	Bhowanigunge ...	7.45	1.69	43.53	ditto	From 22nd Jan.
BARDWAJ.	Titalya ...	6.12	6.46	40.64	ditto.	
	Burdwan ...	3.84	2.70	30.66	ditto.	
	Catwa ...	4.59	2.99	30.83	ditto.	
	Culna ...	3.23	2.52	37.35	ditto.	
	Bood-Bood ...	3.75	3.55	33.07	ditto.	
	Bancoorah ...	4.91	1.45	34.60	ditto.	
	Ranegunge ...	6.24	1.98	27.27	ditto.	
	Sooree ...	1.74	3.04	24.92	ditto.	
	Hoochly ...	2.90	2.10	38.77	ditto.	
	Serampora ...	2.58	Not received	32.65	16th July 1871.	From 20th March.
CONDA.	Jehanabad ...	Not received	ditto	26.86	9th July 1871	From 21st April
	Howrah ...	4.06	3.07	58.41	23rd July 1871.	
	Midnapore ...	3.87	1.46	38.28	ditto.	
	Conta { Dy. Collr.'s Office ...	2.73	3.85	37.90	ditto.	
	Engr.'s Office ...	3.25	3.97	45.22	ditto.	
	Gurbeta ...	4.37	1.70	35.41	ditto	From 6th Feb.
	Tumlook ...	3.07	Not received	46.18	16th July 1871.	

DIVISIONS.	Stations.	Rainfall from 10th to 16th July 1871.	Rainfall from 17th to 23rd July 1871.	RAIN FROM 1ST JANUARY 1871.		REMARKS.
				Rain.	Up to date.	
PRESIDENCY.	Kishnaghur	1.94	1.40	33.32	23rd July 1871.	
	Bongong	1.67	2.26	42.18	ditto.	
	Ranaghat	2.52	1.14	34.97	ditto.	
	Meherpore	2.61	1.28	29.21	ditto.	
	Chooadangah	3.30	2.50	46.85	ditto.	
	Kooshteah	3.62	1.85	50.24	ditto.	
	Jessore	4.07	1.70	50.69	ditto.	
	Khoolnah	1.50	2.85	42.39	ditto.	From 16th Feb.
	Jenidah	4.84	2.89	51.84	ditto	From 6th March.
	Nurail	3.95	2.15	39.74	ditto	From 3rd April.
	Magoorah	1.57	1.43	28.22	ditto	ditto.
	Bagirhaut	2.73	5.88	44.22	ditto	ditto.
	Saugor Island	5.20	3.50	51.00	ditto.	
	Calcutta	2.70	2.97	58.49	ditto.	
	Alipore { Jail	2.66	3.14	61.07	ditto.	
	Alipore { Hospital	2.80	3.12	60.21	ditto.	
	Barrackpore	3.47	Not received	55.26	16th July 1871.	
	Dum-Dum	2.94	ditto	40.19	ditto.	
	Baraset	2.32	ditto	36.17	ditto.	
	Satkerah	3.77	ditto	45.57	ditto.	
	Busseerhaut	3.59	ditto	44.14	ditto.	
	Diamond Harbour	5.66	ditto	51.21	ditto.	
	Barriopore	3.00	ditto	50.94	ditto.	
DACCIA.	Dacca { Telegraph Office	5.56	ditto	57.30	ditto.	
	{ Jail	5.40	4.90	59.00	23rd July 1871.	
	Burrisaul	3.92	4.41	57.33	ditto.	
	Dowlat Khan	4.63	5.16	56.94	ditto.	
	Perozepore	2.15	5.88	50.41	ditto.	
	Madaripore	Not received	2.40	43.44	ditto	Not received 10th to 16th July.
	Furreedpore	4.72	1.20	57.87	ditto	From 5th June.
	Goalundo	4.36	2.04	29.54	ditto	... From 5th June.
	Mymensing	6.59	Not received	61.46	16th July 1871.	
	Jamalpore	3.90	2.83	42.33	23rd July 1871	Not received 19th to 25th June.
	Atteah	7.10	1.35	74.26	ditto.	
	Kishoregunge	6.88	Not received	68.93	16th July 1871.	
	Sylhet	8.87	4.53	75.60	23rd July 1871.	
	Cacher	3.27	Not received	50.43	16th July 1871.	
	Hylakandy	Not received	ditto	54.37	9th July 1871.	
CHITTAGONG.	Koyah	2.44	ditto	54.03	16th July 1871.	Not received 12th to 18th June, and 3rd to 9th July.
	Chittagong { Telegraph Office	7.50	2.60	26.28	23rd July 1871.	
	{ Jail	6.59	3.81	66.53	ditto.	
	Cox's Bazar	9.63	Not received	88.74	16th July 1871.	
	Rangamata Hill	4.75	5.05	62.18	23rd July 1871.	
	Noakhally	6.89	3.84	69.58	ditto.	
	Tipperah	10.17	2.42	64.10	ditto.	
	Brahmanbariah	12.22	1.52	68.03	ditto.	
COOCH BEHAR.	Akyab	14.30	13.80	122.80	ditto.	
	Buxa	23.22	11.11	108.56	ditto.	
	Gowalparah	4.23	5.19	64.12	ditto	... Not recorded 27th Feb. to 5th March.
	Dhoobree	4.15	2.30	41.61	ditto	
	Tura (Garo Hills)	8.77	Not received	62.31	16th July 1871.	
	Derjeeling { Telegraph Office	Not received	ditto	15.95	31st May 1871.	
	{ Hospital	6.82	10.04	63.41	23rd July 1871.	
	Bungbee	Not received	Not received	28.99	31st May 1871.	
	Falacottah	11.64	1.39	41.90	23rd July 1871.	
	Julpigooree	17.79	4.64	57.21	ditto.	
ASSAM.	Boda	4.53	5.22	40.66	ditto.	
	Tezapore	5.38	Not received	48.04	16th July 1871.	
	Nowgong	5.67	4.70	47.43	23rd July 1871.	
	Mungledey	0.26	Not received	38.44	16th July 1871.	From 30th Jan.
	Burpettah	3.59	ditto	43.25	ditto.	
	Gowhatta	1.58	1.22	37.77	23rd July 1871.	
	Seelsaungor	5.80	Not received	58.98	16th July 1871.	
	Jorehaut	6.42	ditto	48.95	ditto	... From 27th Feb.
	Golaghat	6.28	ditto	58.55	ditto.	
	Nazeerah	4.47	ditto	54.57	ditto.	
	Debrooghur	10.42	ditto	64.37	ditto.	
	Suddya	Not received	ditto	43.24	9th July 1871.	
	Shillong	6.73	ditto	40.34	16th July 1871.	
	Cherrapoonjee	34.71	14.43	193.96	23rd July 1877	From 16th Feb.
	Jowai	10.54	Not received	70.55	16th July 1871.	
	Samoogoodting	2.34	ditto	27.00	ditto.	

HENRY F. BLANFORD,

Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,  
The 29th July 1871.

## Meteorological Telegraphic Report for the period 23rd to 29th July 1871.

STATION.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
<b>July</b>												
CALCUTTA.	23rd	10	29.639	29.657	82.0	80.0	91	S S W	...	0.05	S	
		16	29.555	29.573	84.3	80.5	84	S by W	...	...	S, K	
	24th	10	29.580	29.598	83.2	80.4	89	S W	...	...	S	
		16	29.476	29.494	85.5	80.8	81	S W	...	...	S	
	25th	10	29.538	29.556	78.2	77.1	95	W	...	...	....	o
		16	29.433	29.451	82.5	79.5	89	W by S	...	3.12	....	o
	26th	10	29.539	29.557	84.8	81.0	83	S E	...	0.24	K	
		16	29.471	29.489	88.5	80.6	71	S S E	...	...	K	
	27th	10	29.607	29.625	85.5	81.0	81	S S E	...	...	K	
		16	29.538	29.556	83.0	81.2	91	S	...	0.13	S	d
	28th	10	29.607	29.625	85.5	80.0	77	S by E	...	...	K	
		16	29.501	29.519	86.5	81.0	81	S E	...	...	....	o
	29th	10	29.535	29.553	85.6	80.2	75	E	...	...	K	
		16	29.397	29.415	89.5	83.7	78	E by N	...	...	K	
SAIGON ISLAND.	23rd	10	29.657	29.663	85	81	83	S W	15.7*	...	N	o
		16	29.570	29.576	83	80	87	S S W	17.0*	...	N	o
	24th	10	29.612	29.618	84	81	87	S S W	14.2*	...	N	m, o, u
		16	29.499	29.505	86	82	83	S S W	16.1*	...	N	o, u, v
	25th	10	29.581	29.587	83	81	91	W S W	3.5*	0.20	N	d, o, w
		16	29.468	29.474	82	80	91	W N W	8.3*	0.20	N	b, v
	26th	10	29.528	29.534	85	81	83	S E	2.7*	3.10	N	b
		16	29.484	29.490	87	81	76	E S E	10.7*	...	N	v
	27th	10	29.613	29.619	85	80	79	S S E	7.0*	0.10	N	b
		16	29.581	29.587	86	81	79	S S E	11.5*	...	N	u
	28th	10	29.612	29.618	85	81	83	S	6.0*	...	N	b
		16	29.493	29.499	86	83	80	E S E	6.0*	...	N	b
	29th	10	29.520	29.526	89	82	73	N E	6.2*	...	N	b
		16	29.416	29.422	84	82	91	N N E	6.5*	0.30	N	b, p, v
CHITTAGONG.	23rd	10	29.649	29.701	77	76	95	S E	6.1*	0.40	N	o, u, g
		16	29.642	29.775 <sup>p</sup>	79	78	95	S E	7.7*	0.30	KS	p, g
	24th	10	29.577	29.688	79	78	95	S	4.1*	1.30	N	d, p
		16	29.473	29.582	80	78	91	E S E	11.5*	...	KS	p
	25th	10	29.507	29.617	85	81	83	E S E	5.9*	...	K	b
		16	29.407	29.516	83	80	87	S	13.8*	0.20	K	b, v, q
	26th	10	29.554	29.663	86	81	79	E S E	7.2*	...	C	b
		16	29.482	29.570	86	82	83	S	8.8*	...	C	b
	27th	10	29.614	29.724	84	78	75	S	7.5*	...	K, C	b
		16	29.544	29.654	84	80	83	S S W	13.9*	...	K, C	b
	28th	10	29.507	29.707	84	80	83	S	7.1*	...	K, C	b
		16	29.512	29.622	85	80	79	S S E	7.9*	...	KS	m
	29th	10	29.514	29.624	85	80	79	N E	5.6*	...	C	b
		16	29.392	29.501	84	81	87	S W	7.1*	...	K, KS	u, p
MADRAS.	22nd	10	29.816	29.846	87	74	51	S W	13*	...	....	be
		16	29.700	29.730	95	77	41	W S W	11*	...	....	be
	23rd	10	29.848	29.878	87	74	51	S W by W	12*	...	....	be
		16	29.740	29.770	85	76	64	S S E	9*	...	....	be
	24th	10	29.821	29.851	82	75	70	S by W	7*	1.01	....	o
		16	29.709	29.739	89	76	52	S	8*	...	....	be
	25th	10	29.762	29.792	85	74	57	S W	12*	...	....	be
		16	29.670	29.700	89	77	56	S W by S	6*	...	....	o
	26th	10	29.775	29.105	85	75	60	S W by S	9*	0.02	....	o
		16	29.675	29.705	89	76	52	S S W	5*	...	....	o
	27th	10	29.820	29.850	86	75	57	S S W	9*	...	....	be
		16	29.685	29.715	92	76	45	S W by S	7*	...	....	o
	28th	10	29.802	29.832	89	76	52	S W	12*	0.01	....	be
		16	29.659	29.689	86	79	72	S S E	10*	...	....	be
CUTTACK.	22nd	10	29.605	29.688	82	80	91	S S W	0.2*	1.30	N	t, l, r, o
		16	29.538	29.621	79	76	86	S W	0.2*	...	N	o, u
	23rd	10	29.634	29.716	83	78	78	S W	0.3*	...	C, KS	cloudy
		16	29.527	29.609	86	79	72	W S W	0.5*	...	KS	cloudy
	24th	10	29.575	29.657	83	79	83	W S W	0.2*	0.30	KS	o, r
		16	29.485	29.568	82	77	78	W S W	0.5*	...	N, C	d
	25th	10	29.538	29.621	81	78	86	W N W	0.4*	...	N	o, u
		16	29.430	29.512	86	80	75	W S W	0.2*	...	N	o, d
	26th	10	29.508	29.591	82	77	78	W	0.3*	0.90	KS, N	o, d
		16	29.418	29.501	82	77	78	W S W	0.7*	...	N, KS, C	d
	27th	10	29.583	29.666	80	77	86	N N E	0.8*	0.20	N	o
		16	29.460	29.542	88	80	69	W	0.4*	...	KS, C	cloudy
	28th	10	29.533	29.615	86	80	75	W	0.9*	...	KS, N	cloudy
		16	29.425	29.506	91	82	66	S S W	0.6*	...	KS, N, C	
ARYAB.	23rd	10	29.781	29.796	84	80	83	S S W	2	1.10	K, KS, CS	g
		16	29.688	29.713	78	76	90	S	1	1.60	KS, N	r
	24th	10	29.708	29.723	78	76	90	W N W	1	0.90	K, KS	r
		16	29.589	29.604	78	76	90	S E	1	0.30	K, KS	g
	25th	10	29.614	29.629	80	77	86	S S E	1	1.30	C, K	b
		16	29.504	29.519	80	77	86	S S W	1	...	C, CS, K	b
	26th	10	29.640	29.655	81	78	86	S	2	1.00	CK	b
		16	29.568	29.581	83	79	83	S S W	1	...	CS, K	b
	27th	10	29.726	29.741	79	77	90	E S E	1	1.60	K, KS, N	r
		16	29.639	29.654	82	79	87	S S W	1	...	CK, KS	g
	28th	10	29.690	29.705	81	77	82	S S W	1	...	CS, K	g
		16	29.614	29.629	80	78	91	S S E	1	0.10	K, KS	g
	29th	10	29.611	29.626	81	78	86	S S W	2	3.60	KS	g, w
		16	29.534	29.549	80	78	91	W S W	1	1.40	N	r

\* Velocity of wind in miles per hour.

CALCUTTA,  
The 29th July 1871.HENRY F. BLANFORD,  
Meteorological Reporter to the Government of Bengal.

## Abstract of Observations as received in the Meteorological Reporter's Office, Calcutta,

DURING THE HALF MONTH 16TH TO 31ST MAY 1871.

N.B.—The Barometric data are reduced for temperatures, and not for height above sea-level.

STATIONS.	BAROMETER.				THERMOMETER.				HUMIDITY.				RAINFALL.		
	MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		In inches.		
	Mean.	4 hours.	10 hours.	16 hours.	Mean.	4 hours.	10 hours.	16 hours.	Mean.	4 hours.	10 hours.	16 hours.	No. of days.		
Height above sea-level.					Mean of min.	Mean daily range.	Mean of max.	Highest Max.	Absolute range.	Day.	Day.	Day.	Mean.	Mean of 16 years	
Port Blair	110	Not received.	29.738	29.072	111	121.6	28h	130.0	114.0	21st	114.0	113.0	110.5	110	110
Madras	27	29.727	29.644	29.716	29.600	29.683	118	120.4	114.0	113.0	113.0	113.0	110	110	
Vizagapatam	31	29.881	29.736	29.754	29.673	29.688	91	104	104	104	104	104	104	104	
Alkyub	16	29.732	29.679	29.727	29.727	29.653	104	104	104	104	104	104	104	104	
False Point	18.7	29.690	29.590	29.590	29.527	29.524	103	153.5	171h	166.0	197	197	197	197	
Cuttack	60	29.650	29.612	29.612	29.598	29.598	104	141.4	141.4	145.0	145.0	145.0	145.0	145.0	
Sangor Island	6	29.655	29.643	29.702	29.595	29.595	104	144.4	144.4	148.0	148.0	148.0	148.0	148.0	
Chittagong	108	29.891	29.573	29.676	29.679	29.657	107	144.4	144.4	148.0	148.0	148.0	148.0	148.0	
Calcutta	18.11	29.838	29.624	29.688	29.679	29.663	109	144.0	144.0	147.1	147.1	147.1	147.1	147.1	
Jessore	27	29.636	29.636	29.636	29.652	29.576	106	147.1	147.1	153.0	153.0	153.0	153.0	153.0	
Dacca	36	29.610	29.628	29.687	29.677	29.651	108	146.0	146.0	153.0	153.0	153.0	153.0	153.0	
Cachar	73	29.698	29.601	29.650	29.652	29.631	108	143.0	143.0	153.0	153.0	153.0	153.0	153.0	
Haora	2,014	27.698	27.653	27.754	27.601	27.683	133	167.3	170.0	227h	153.0	153.0	153.0	153.0	
Berhampore	80	29.905	29.662	29.635	29.496	29.688	129	153.6	158.0	243h	167	167	167	167	
Gya	4,002	29.945	29.633	29.633	29.633	29.633	130	146.4	146.4	213h	130.0	130.0	130.0	130.0	
Patna	178	29.945	29.421	29.513	29.374	29.479	139	153.1	153.1	213h	189.0	101.1	264	264	
Monghyr	180.4	29.948	29.620	29.620	29.620	29.620	133	164.9	164.9	22nd	145.0	145.0	145.0	145.0	
Patna	6,945	29.835	23.262	23.331	23.203	23.318	040	143.0	143.0	20th	108.0	68.0	11.8	11.8	
Goalparah	386	29.272	29.272	29.327	29.203	29.288	124	144.8	144.8	25th	110.0	86.5	13.3	13.3	
Shillong	4,792	Not received.	29.370	29.363	29.458	29.314	29.377	114	137.1	137.1	20th	101.8	26.3	75.5	75.5
Benares	262.74	29.370	29.363	29.363	29.363	29.363	28733	28733	28733	28733	28733	28733	28733	28733	
Roorkee	87.97	28.64	28.742	28.831	28.742	28.831	098	137.1	137.1	26th	116.0	97.8	21.3	21.3	

## CALCUTTA—MAY 1871.

Mean Barometric pressure of 16 years	29.655	Mean temperature of 16 years	29.655
Like date of 1871	...	29.678	Ditto ditto of 1871
Excess in 1871	...	29.623	Deficit in 1871
Deficit in 1871	...	29.623	Excess in 1871
Excess in 1871	...	29.623	Deficit in 1871

Mean humidity of 16 years	86.0	Mean rainfall of 16 years	73
Ditto ditto	88.7	Actual fall in 1871	80
Excess in 1871	23	Excess in 1871	7
Deficit in 1871	...	...	...

CALCUTTA,  
The 27th July 1871.HENRY F. BLANTFORD,  
*Meteorological Reporter to the Govt. of Bengal.*

*Mean Pressures and Temperatures of the preceding Table reduced to Sea Level, with Mean Wind Directions.*

STATIONS.	Mean barometric pressure reduced to sea level.	Mean temperature reduced to sea level.	WIND.	
			Proportional prevalence Max.=100.	Mean direction.
Port Blair	29.754	88.8	43	S 38° E
Madras	29.692	88.4	72	S 51° W
Vizagapatam	29.747	82.3	58	S 1° W
Akyab	29.708	87.8	67	S 40° W
Fals Point	29.672	86.8	69	S 23° W
Cuttack	29.661	86.1	72	S 22° W
Saugor Island	29.733	82.1	35	S 34° E
Chittagong	29.656	84.7	72	S 28° W
Calcutta	29.663	83.4	67	S 16° E
Jessore	29.678	82.2	64	S 32° E
Dacca	29.691	81.2	20	S 47° W
Cachar	29.623	89.3	22	S 18° E
Hazareebaugh	29.647	86.9	28	N 70° E
Berhampore	.....	89.6	61	N 60° E
Gya	29.628	86.8	62	N 53° E
Patna	29.628	86.4	69	N 82° E
Monghyr	29.698	81.8	14	S 70° W
Darjeeling	29.684	81.1	60	S 72° E
Gowalparah	.....	.....	...	.....
Shillong	29.633	91.0	61	N 72° E
Benares	29.635	89.0	18	S 42° E
Roorkee	.....	.....	.....	.....

NOTE.

*Barometric Pressure.*—The pressures in column 2 of the above table for all stations below 500 feet are reduced from those given in column 3 of the table on the previous page by adding the weight of a column of air of the corresponding temperatures given in column 17. For stations of above 500 feet elevation, the reduction is made by Dippe's tables as given in Guyot's " Meteorological and Physical Tables."

*Temperature.*—The temperatures in column 3 are reduced from those in column 17, on the preceding page, by adding 1° Fahr. for every 350 feet.

*Wind Direction.*—The mean wind direction and its comparative prevalence are calculated from the whole number of wind observations recorded during the half-month. The latter is given as a percentage of the whole number of observations. The mean direction is calculated in the usual way by Lambert's formula.

The above being all comparable, afford the data for constructing a meteorological chart for the half-month, which shall show the isobaric and isothermal lines and the resultant wind directions, which last may be represented by arrows of varying length proportioned to the prevalence of the wind. To these may be added the rainfall from the previous tables.

CALCUTTA,  
The 27th July 1871.

HENRY F. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.

**Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 22nd to 31st July 1871.**

Month.	Date,	Mean reduced barometer.	THERMOMETER.				Mean dry bulb.	Mean wet bulb.	Computed mean dew-point.	Mean degree of humidity.	WIND.			Moon's phases.	GENERAL REMARKS.
			Highest reading.	Lowest reading.	Max. solar radiation.	Prevailing direction.					Max. pressure.	Daily velocity.	Rain.		
July ...	22nd	Inches. 29.600	○ 81·5	○ 78·2	○ ... 79·9	○ 78·6	○ 77·5	0·93 S S W & S by W	... 133·9	0·42 ...	...	...	Overcast. Slight rain from 4 to 6 and 10 A.M. to 4 P.M.		
	23rd	'600	84·6	79·0	120·0	81·6	79·5	78·0 ·89 S S W	... 120·1	0·05 ...	...	...	Overcast and stratoni. Light rain at 3½ A.M.		
	24th	'541	86·8	80·5	134·1	82·9	79·8	77·6 ·85 S S W & S W	... 121·9	...	...	...	Overcast and cumuloni. Lightning at 10 and 11 P.M. Drizzled at 8 A.M. and 10 P.M.		
	25th	'494	83·9	77·2	134·0	79·6	78·0	76·9 ·92 W S W, W, & W by S	... 101·7	3·25 ...	...	...	Chiefly overcast. Thunder and lightning at 1 and 2 A.M. Rain from 1 to 12 A.M. and 4 to 7 P.M.		
	26th	'510	89·0	78·0	145·0	82·9	79·4	76·9 ·83 W by S & S S E	... 87·7	0·11 ...	...	...	Stratoni and cumuli. Slight rain at 4 and 5 A.M. and 2 P.M.		
	27th	'576	87·6	78·8	129·6	82·5	79·7	77·7 ·86 S E & S	... 190·7	0·13 ...	...	...	Stratoni and cirri. Slight rain at 12 A.M., 2 and 4 P.M.		
	28th	'568	89·0	79·5	148·0	84·0	80·6	78·2 ·83 S & S by E	... 108·3	...	...	...	Cirri and cumuli. Driz- zled at 4 and 8½ P.M.		
	29th	'482	90·5	81·1	147·2	84·8	81·2	78·7 ·83 S S E, E & E by N	0·5 144·2	0·05 ...	...	...	Stratoni and cumuloni and cumuli. Slight rain from 7½ to 9 P.M.		
	30th	'416	86·0	80·0	128·0	82·4	80·1	78·5 ·80 E S E & S S E	... 141·5	0·51 ...	...	...	Stratoni, cumuloni and cumuli and overcast. Rain after intervals.		
	31st	'525	82·8	79·4	...	80·9	79·2	78·0 ·91 S & S by E	... 145·3	0·73 ...	...	...	Overcast. Rain after intervals.		

The mean barometer as likewise the dry and wet bulb thermometer means are derived from the twenty-four hourly observations made during the day.

The dew-point is computed with the Greenwich constants.—The figures in column 10 represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1½ feet, and that of the anemometer 70 feet 10 inches, above the level of the ground.—The velocity of wind, as indicated by Robinson's anemometer, is registered from noon to noon.

The extreme variation of temperature during the past ten days	...	13·3
The max. temperature during the past ten days	...	90·5
The max. temperature during the corresponding period of the past year	...	90·5
The mean humidity during the past ten days	...	0·87
The mean humidity during the corresponding period of the past year	...	0·89
		Inches.
The total fall of rain from 22nd to 31st ... { by lower rain gauge	...	5·25
{ by anemometer gauge	...	4·96
Ditto ditto average of seventeen previous years	...	4·84
Ditto between the 1st January and the 31st July	...	64·24
Ditto ditto ditto ditto, average of seventeen previous years...	37·13	

GOPEENAUTH SEN,  
In charge of the Observatory.

The 1st August 1871.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

*Approximate Return of Traffic for week ended 22nd July 1871, on 1,279½ miles open.*

	COACHING TRAFFIC.			MERCHANTISE AND MINERAL TRAFFIC.			Total traffic receipts.
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			
Total traffic for the week ...	81,753	Rs. As. P. 91,553 14 10	£ s. d. 8,892 8 10	Mds. Srs. 420,397 30	Rs. As. P. 2,79,109 0 0	£ s. d. 25,594 19 10	£ s. d. 33,077 8 8
Or per mile of railway ...		71 8 10	6 11 2	.....	218 2 3	19 19 11	26 11 1
For previous 2 weeks of half-year ...	191,152½	2,45,462 13 1	22,317 8 6	908,525 30	6,26,392 7 6	57,419 6 2	79,736 14 8
Total for 3 weeks ...	272,905½	3,35,016 11 11	30,709 17 4	1,388,923 20	9,05,501 7 6	83,004 6 0	113,714 3 6
<b>COMPARISON.</b>							
Total for corresponding week of previous year ...	86,991½	1,09,499 14 2	10,037 9 10	457,246 20	2,94,613 9 7	27,006 4 11	37,043 14 9
Per mile of railway corresponding week of previous year ...		96 12 5	8 17 5	.....	260 6 0	23 17 4	32 14 9
Total to corresponding date of previous year ...	311,478	3,79,602 13 8	34,796 18 7	1,778,801 30	11,00,210 2 0	101,677 11 11	136,474 10 6

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

*Approximate Return of Traffic for week ended 22nd July 1871, on 223 miles open.*

	Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	3,436	7,789 6 10	714 0 7	45,522 0	7,985 7 3	732 0 0
Or per mile of railway ...		34 14 11	3 4 0	.....	35 12 11	3 5 8
For previous 2 weeks of half-year ...	8,461½	20,673 2 10	1,895 0 10	91,262 10	19,735 15 6	1,809 2 7
Total for 3 weeks ...	11,897½	28,462 9 8	2,609 1 5	136,784 10	27,721 6 9	2,541 2 7
<b>COMPARISON.</b>						
Total for corresponding week of previous year ...	2,963½	7,399 2 4	678 5 1	15,277 30	4,067 5 0	372 16 9
Per mile of railway corresponding week of previous year ...		33 2 10	3 0 10	.....	18 3 10	1 13 5
Total to corresponding date of previous year ...	11,935½	29,754 12 6	2,727 10 5	65,519 0	18,536 15 3	1,699 4 5

## EASTERN BENGAL RAILWAY.

*Approximate Return of Traffic for week ended the 22nd July 1871, on 156½ miles open.*

	Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	28,541	16,724 1 3	1,533 0 10	88,470 37	46,268 6 11	4,241 5 5
Or per mile of railway ...	182	106 13 10	9 15 11	565 0	295 10 4	27 2 0
For previous 3 weeks of half-year ...	56,563½	33,033 10 3	3,028 1 7	161,934 0	50,401 12 11	4,620 3 3
Total for 4 weeks ...	85,109½	49,757 11 6	4,561 2 5	250,404 37	96,670 3 10	8,861 8 8
<b>COMPARISON.</b>						
Total for corresponding week of previous year ...	29,430½	14,239 6 7	1,305 5 7	63,503 33	10,394 7 8	952 16 7
Per mile of railway corresponding week of previous year ...	260	125 11 9	11 10 6	561 0	91 12 6	8 8 3
Total to corresponding date of previous year ...	87,113½	44,092 13 2	4,041 16 10	330,147 21	52,033 12 6	4,769 15 4

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

*Approximate Return of Traffic for week ended 22nd July 1871, on 28 miles open.*

	Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	4,180	635 2 9	65 10 4	9,048 0	286 10 6	28 13 3
Or per mile of railway ...	149	23 6 5	2 6 7	323 4	10 3 10	1 0 6
For previous 16 weeks of half-year ...	108,888½	20,412 1 6	2,041 4 2	168,900 20	4,919 6 6	401 18 11
Total for 17 weeks ...	113,068½	21,067 4 3	2,106 14 6	177,948 20	5,206 1 0	520 12 2
<b>COMPARISON.</b>						
Total for corresponding week of previous year ...	4,810½	836 8 6	83 13 1	8,825 26	300 0 0	30 0 0
Per mile of railway corresponding week of previous year ...	172	29 14 0	2 19 5	315 0	10 11 5	1 1 5
Total to corresponding date of previous year ...	97,474	16,625 7 0	1,662 10 11	180,866 0	6,354 8 6	635 9 1

No. 32

of 1871



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, AUGUST 9, 1871.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.*

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### Administration Report of the Ranaghat Municipality for 1870-71.

From C. C. STEVENS, Esq., Chairman of the Ranaghat Municipality, to the Commissioner of the Presidency Division,—(No. 167, dated Kishnaghur, the 28th June 1871.)

I HAVE the honor to forward herewith the annual statement of actual receipts and disbursements of the Ranaghat municipality for 1870-71, with the copy of administration report received from the vice-chairman.

The expense of collection is high, amounting as it does to 12½ per cent. I will draw the attention of the vice-chairman to this point.

2. The municipality is generally well managed; and in my opinion credit is due to the municipal commissioners, especially to the vice-chairman. It is a matter of much regret that the municipality has been deprived of the valuable services of Baboo Sri Gopal Pal Chowdhry.

3. I regret to notice the irregularity in the matter of attendance at meetings shown by the members. I think that even out of twelve members a quorum ought generally to be formed.

From HORACE A. COCKERELL, Esq., Officiating Commissioner of the Presidency Division, to the Officiating Secretary to the Government of Bengal, Judicial Department,—(No. 127J, dated Calcutta, the 22nd July 1871.)

IN accordance with the Government order No. 2441, dated 26th April 1867, I have the honor to submit the annual administration report of the Ranaghat municipality, together with a statement of its income and expenditure for the year 1870-71.

2. The past year's administration shows marks of substantial progress, and reflects credit on the municipal commissioners. Two important roads have been re-metalled, a dilapidated bridge completely repaired, and a large tank re-excavated to provide the inhabitants with good drinking water. Sanitary measures have been attended to, and the returns show that the town is remarkably healthy.

3. The expenses of collection are, as remarked by the chairman, higher than they should be.

From BABOO RAM SHUNKER SEN, Vice-Chairman of the Ranaghat Municipality, to the Chairman of the Ranaghat Municipality,— (No. 39, dated Ranaghat, the 22nd June 1871.)

I HAVE the honor to submit herewith my annual administration report of the Ranaghat municipality for the year 1870-71.

The municipal corporation of the town consists of nineteen commissioners, who have been appointed from time to time by Government, in order to administer the law under Act III (B.C.) of 1864.

C. C. Stevens, Esq., magistrate of the district, ex-officio chairman.

Major Forbes, executive engineer, ex-officio commissioner.

Dr. F. J. Earle, ditto ditto.

Baboo Ram Shunker Sen, deputy magistrate, ex-officio vice-chairman.

„ Sri Gopal Pal Chowdhry, commissioner.

„ Dwarka Nath Pal Chowdhry, ditto.

„ Keshub Chunder Pal Chowdhry, ditto.

„ Radhamoi Dey Chowdhry, ditto.

„ Mothoor Lall Dey Chowdhry, ditto.

„ Banee Madhub Mookerjea, ditto.

„ Ram Coomar Banerjea, ditto.

„ Kedar Nath Dutt, ditto.

„ Judoon Nath Mookerjea, ditto.

„ Brojendro Gopal Pal Chowdhry, ditto.

„ Rajrajeshur Pal Chowdhry, ditto.

„ Brojo Nath Pal Chowdhry, ditto.

„ Tarabilash Mitter, ditto.

„ Chunder Mohun Dass, ditto.

„ Rakhal das Mullick, ditto.

Of these commissioners, Baboo Kedar Nath Dutt is unable to attend, in consequence of his having gone elsewhere with an appointment in the subordinate executive service, and Baboo Judoon Nath Mookerjea has for the present removed himself to Chinsurah. Of the other native commissioners, Baboos Mothoor Lal Dey Chowdhry and Ram Coomar Banerjea do not attend the meetings on the plea of sickness; and Baboo Sri Gopal Pal Chowdhry, one of the most active and influential commissioners, was suddenly attacked with a paralytic stroke, from the effects of which he has not yet recovered. There are, therefore, only twelve working members left, which renders it difficult to obtain a quorum at the monthly meetings.

3. There were seventeen meetings held during the year, in five of which only work was regularly transacted, the rest being informal for want of quorum. Of the official members, the chairman was present at the meeting held in December last, and of the non-official, Baboos Banee Madhub Mookerjea and Rajrajeshur Pal Chowdhry were more regular in their attendance than the others.

4. In reviewing the operations of the past year, I would beg to state at the outset that the municipality, which has been in existence for the last six years, did in no other year accomplish a greater amount of work, limited as its income is, than during the year under report.

5. The total receipts during the year were Rs. 7,272-11-3, against Rs. 6,782-1-6 of the preceding year, thus showing an increase of Rs. 490-9-9. The expenditure amounted to Rs. 8,513-11-6, as per accompanying statement. The surplus left at the close of the year is Rs. 344-10-8.

On a mistaken principle of economy, the roads of the town were in previous years metalled with old materials at the cheap rates, in order to save expense. During the past year this system was dispensed with, and the Bora Bazaar road (which had been during the previous year widened and straightened) was metalled with entirely new materials, at a cost of Rs. 1,700. The road, called the Park Street, extending along the railway line, was for some years in a very wretched state for want of repair, although this was the most frequented thoroughfare in the town. It has been thoroughly repaired, or rather re-metalled, at a cost of Rs. 800. This road and the Bora Bazaar road have greatly contributed to the improvement of the town and the convenience of the public. The Baskooa khall, which bounds the town on the north, was a navigable river in the time of Raja Kisto Chunder Roy of Nuddea. Baboo Kashi Nath Pal Chowdhry, father of Joy Chunder Pal Chowdhry of Ranaghat, threw a masonry bridge over it for the convenience of the public in the year 1815; but no attention having been paid to its repair, it was latterly in a dangerous state, the parapets on both sides of the bridge having entirely disappeared, and the side wings having nearly decayed. The span of the bridge, however, being of strong masonry, it was still open to the use of the public, although attended with some risk. Many a benighted pedestrian broke his legs and endangered his life by a fall from the top of the bridge into the bed of the khall. To remove this cause of inconvenience, the municipality have laid out about Rs. 500 for effecting thorough repairs and making additions, in order to render the bridge an useful and substantial public work.

7. In my previous reports I have repeatedly urged the necessity of providing good tanks for drinking and bathing purposes. A large tank, about an acre in extent, has been excavated during the year under report, at a cost of Rs. 2,326, and the inconvenience felt by a fourth of

the population for want of good water, has been thus removed. The best thanks of the municipality are due to the zemindars of this place (many of whom are also municipal commissioners) for gratuitously making over to the municipality their proprietary right to the land taken up by this tank.

8. The conservancy establishment, consisting of an overseer, four coolies, one murdafurash, and a cart, is not adequate to the requirements of a town three square miles in area; yet the result obtained is creditable to the department. The cart filled up a hole 50 feet long by 50 feet broad and 10 feet deep with the refuse of the town. The roads, and drains were throughout the year clean and free from jungle. The murdafurash killed fifty-five rabid dogs, and removed thirteen human bodies and forty-seven dead animals. The town was throughout the year almost free from noxious vegetation, owing partly to all *patit* lands having been brought under cultivation, and partly to the good behaviour of the people in readily responding to the requisitions of the municipality. That the town was generally clean throughout the year, will also be seen from the circumstance that only thirty-one notices had to be issued for jungle cutting, against 176 for the previous year.

9. Ranaghat has shown unusual signs of healthiness during the year under review. The mortuary register shows that there were ninety-one deaths during the year to a population of 7,462, giving a percentage of 1·2. The number of deaths during the previous year was 137, which gives a percentage of 1·8. The greatest number of deaths (43), as usual, was from fever and spleen; from cholera, 9; and 39 from other causes. There was no outbreak of any epidemic disease during the year.

10. The number of persons prosecuted during the past year for breach of the municipal law was 14, against 57 of the previous year, of which 9 were fined and 5 warned.

11. Since 1869 the municipality has directed its attention to arboriculture; and of the 300 trees planted up to date, 170 are in flourishing condition. During the year a proposal was made to bring the charitable dispensary under the management of the municipality, and to levy an additional rate of eight annas per cent. on annual valuation over Rs. 50; but the question was dropped in consequence of a majority of the commissioners having given their votes against the proposed measure. A pucca bungalow has been constructed during the year, mostly from subscriptions, for the accommodation of the dispensary. I would avail myself of this opportunity to present my thanks to Ranees Shurnomoie of Cossimbazar, who subscribed Rs. 50 in aid of the building.

In my administration report for 1868-69, I noticed a most objectionable practice which prevailed in this town, of both males and females bathing promiscuously in the same ghats in the river Choorny. This attracted the attention of the municipality during the year under review, and a select committee was accordingly appointed to report within a fortnight on the state of the bathing ghats, with a view to make a proper division for males and females. In accordance with the suggestions of the sub-committee, three ghats in the river Choorny have been set apart for the exclusive use of the females, and sign boards have been put up to distinguish them.

A much-frequented road-called Mohaprudu road, leading into that half of the town which lies east of the railway line, has been intersected by the railway at the place where it branches out from the Park Street. The railway company, in order to save expense, constructed masonry steps on both sides of the line over the fences for the convenience of passengers. These steps have latterly become dangerous and inconvenient to the people for want of proper repair. The vice-chairman put himself in communication with the railway authorities on the subject, and the latter have agreed to put up a turnstile iron gate in lieu of the present steps, but the work has not yet been taken in hand.

#### Ranaghat Municipal Improvement Fund for 1870-71.

##### RECEIPTS.

Particulars.	Amount.		
	Rs.	As.	P.
House-rate collections	...	3,665	12 6
Ferry proceeds	...	3,010	0 0
Proceeds of pound	...	483	14 0
License fees	...	48	0 0
Distrainting fees	...	6	0 9
Fines	...	19	4 0
Miscellaneous	...	39	12 0
 Total receipts during the year	...	7,272	11 3
Balance at the end of 1869-70	...	1,585	10 11
 Total	...	8,858	6 2

	DISBURSEMENTS.	Rs. As. P.
Expenses of collection	... ... ...	453 13 0
Office establishment	... ... ...	264 2 0
Office contingencies	... ... ...	59 15 3
Conservancy	... ... ...	477 9 6
Jungle clearing	... ... ...	22 12 6
Re-opening of drains	... ... ...	54 0 0
Metalling of roads	... ... ...	2,503 13 0
Kutcha roads	... ... ...	55 1 6
Bridges and culverts	... ... ...	398 10 9
Arboriculture	... ... ...	97 15 6
Pound	... ... ...	94 2 3
Police	... ... ...	1,616 3 0
Excavation of tank	... ... ...	2,326 13 3
Miscellaneous	... ... ...	88 12 0
Total payments during the year	... ...	8,513 11 6
Balance in hand	... ...	344 10 8
Total	... ...	8,858 6 2

Certified that the balance (Rs. 344-10-8) was in the treasury on the 28th March 1871.

RAM SHUNKER SEN,

RANAGHAT,  
The 22nd June 1871.

Vice-Chairman.

#### Administration Report of the Gowhatti Municipality for 1870-71.

Memorandum by COLONEL H. HOPKINSON, Agent to the Governor General and Commissioner of Assam,—(No. 1080T, dated Debrooghur, the 18th July 1871.)

COPY, together with the report and statement of receipts and disbursements in original, forwarded to the Secretary to the Government of Bengal, Judicial Department.

From J. J. S. DREIBERG, Esq., Officiating Personal Assistant to the Commissioner of Assam, to the Chairman, Gowhatti Municipality, (No. 1079T, dated Debrooghur, the 18th July 1871.)

WITH reference to your revised report for the year 1870-71, I am directed to observe that the civil surgeon cannot act, *virtute officii*, as a permanent member of the municipality unless provision is made in the law to that effect. Till then each successive incumbent of the post will have to be appointed a municipal commissioner, if such an arrangement is considered necessary. You have omitted to notice that Mr. Masters was succeeded by Mr. Anley.

The following errors occur in the tabular statement of income :—

*Ferries.*—If the figures in columns 2 and 3 are correct, the deficit will be Rs. 2,247, and not Rs. 2,207, as shown by you. The statement\* showing the number of persons brought to trial and punished for breaches of the conservancy laws has not been drawn up according to the instructions of this office and the specimen report furnished to you.

The number of persons released and fined has not been shown.

\* Column 1 number of cases reported entailing the issue of notices.  
 " 2 ditto ditto summons.  
 " 3 " of persons tried.  
 " 4 " ditto released.  
 " 5 " ditto fined.  
 " 6 " amount of fines inflicted.  
 " 7 " ditto remitted.  
 " 8 " ditto collected.  
 " 9 Remarks.

The classified statement of expenditure should be corrected as follows:—

Heading.	Column.	Rs. As. P.
Road ...	4. Entered ... 5. Entry expunged.	... 2,379 2 5
Conservancy ...	5. Corrected to	... 2,023 3 11 16,618 0 0
Total ...	2,4, and 5 ditto	... { 2,589 3 5 4,608 3 2

Your remark that the expenditure in all departments, except under the head of police, was below the budget estimate, is not strictly accurate, as there was an excess of Rs. 2,379-2-5 in the road department also.

Your statement that the "municipality have entered on the new year with *about* Rs. 5,000 at its disposal" is not correct, for the account submitted by you shows that you had on the 1st April 1871 Rs. 456-3-6 in hand, and Rs. 6,116-14-6 in the treasury; total, Rs. 6,573-2-0.

From MAJOR T. LAMB, Deputy Commissioner and Chairman of the Gowhatta Municipality, to the Personal Assistant to the Commissioner of Assam,—(No. 10, dated Gowhatta, the 23rd June 1871.)

On behalf of the municipal commissioners of the town of Gowhatta, I have the honor to submit the revised annual administration report of the Gowhatta municipality for the past official year ending 31st March 1871.

At the commencement of the year the municipality numbered thirteen commissioners.

Colonel W. Agnew, officiating commissioner, ex-officio member.  
 Major Alexander Comber, deputy commissioner, ex-officio member.  
 „ F. T. Pollock, executive engineer, ex-officio member.  
 Mr. J. Masters, district superintendent, ex-officio member.  
 „ R. Lea, extra assistant commissioner, ex-officio member.  
 Dr. McKenna, civil surgeon, member.  
 Colonel K. Campbell, member.  
 Moonshee Shekant Hossein, member.  
 Baboo Juswun Dey, vakeel, member.  
 „ Srimunto Sein, vakeel, member.  
 „ Gopal Chundro Banerjee, member.  
 „ Gurgoram, member.  
 „ Baloram Surmah, member.

Among these the following changes have occurred during the year:—

Colonel W. Agnew, Major Alexander Comber, Mr. J. Masters, Dr. McKenna have left the station, and Colonel Campbell and Baboo Srimunto Sein have withdrawn their names, as their private business occupied their time, so that they were unable to attend to municipal affairs. Colonel Agnew was succeeded by Colonel Hopkinson in March 1871, and Major Comber was relieved by Lieutenant E. N. D. LaTouche, who was again succeeded by Major Lamb in the month of April 1870. Dr. McKenna was relieved of his duties as civil surgeon on the 11th March, and his successor has not been nominated a member. Owing to frequent changes in the civil surgeon's office, it appears inexpedient to nominate each officer as he succeeds to the appointment temporarily. The committee are of opinion that the civil surgeon should be an ex-officio member. Moonshee Shekant Hossein left the station on the 27th August 1870, but on his departure he was undecided whether or not he would return; no one has therefore been elected to supply his place.

The following gentlemen were appointed municipal commissioners during the year:—

Mr. John James Sheet Driberg, personal assistant.  
 Baboo Bood Singh, Assuyal.

At the close of the year the commissioners numbered eleven, of whom six were Europeans and five Natives.

On the following dates the number of commissioners present was too small to form a quorum:—

15th June, 5th October, 19th October, 26th October, 7th December, 15th December, and 21st December 1870.

Fourteen ordinary general meetings of the commissioners were held during the year, and no special meetings were called. The attendance at the several meetings is shown below; the average of which is less than in the previous year:—

General Meetings	Dates	No. present.
	20th April 1870	11
	4th May	8
	18th May	9
	1st June	5
	6th July	6
	3rd Aug.	6
	17th Aug.	5
	7th Sept.	5
	23rd Nov.	8
	13th Dec.	6
	18th Jan. 1871	6
	1st Feb.	6
	15th Feb.	6
	15th Mar.	7

Average ... 5<sup>1</sup>/<sub>4</sub>

The arrangements regarding the holding of general meetings on the first and third Wednesday in each month have been regularly adhered to.

#### Conservancy.

The contract for the conservancy of the town for 1869-70 was so unsatisfactorily performed that the system has been abandoned, and the town arranged into four divisions, each being under the supervision of a member.

This plan has worked tolerably well on the whole.

The following tabular statement shows the actual income under each head as compared with the estimate:—

Details.	Budget estimate.	Actual receipt.	Excess.	Deficit.
	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.
Balance from 1869-70	984 7 3	984 7 3	.....	.....
House-rate collections	*4,300 0 0	3,579 8 0	.....	720 8 0
Town land revenue	3,450 0 0	3,443 3 6	.....	6 12 6
Fines	150 0 0	267 12 0	117 12 0	.....
Ferries	5,351 0 0	3,104 0 0	.....	2,247 0 0
Miscellaneous	6,059 0 0	9,793 3 6	3,734 3 6	.....

The result of the house-rate collections at the close of the year is shown in the following table:—

Details.	Due.	Collected during the	Remitted during the	Balance at close of the
		year.	year.	year.
		Rs. As. P.	Rs. As. P.	Rs. As. P.
Arrears, 1869-70	... 1,175 11 6	1,089 1 0	.....	86 10 6
Ditto, 1870-71	... 4,300 0 0	2,490 7 0	.....	1,809 9 0

Of the balance, Rs. 1,543 4-0 have been recovered since the close of the year, and measures have been taken for the realization of the remainder. I notice with regret that one of the native members was among the defaulters, and this has, I fear, set a bad example to others.

The subjoined statement shows the assistance rendered during the year by the conservancy overseer and the municipal police in reporting breaches of the conservancy laws:—

Department.	No. of notices issued.	No. of persons summoned.	No. of persons tried.	No. of persons fined.	Amount of fine inflicted.	Amount of fine collected.
					Rs. As. P.	Rs. As. P.
Municipal overseer	44	2	2	2	2 0 0	2 0 0
Ditto police	.....	292	287	265	265 12 0	265 12 0

The police have exerted themselves more during the year under report than they appear to have done in the previous year; there is however still much room for improvement. The non-official members, I am sorry to say, have not reported a single instance of breach of the conservancy laws in their respective divisions.

The miscellaneous receipts were derived from pounds, house-rent, and bazar, and amounted to Rs. 9,793 3-6.

Pounds.—5,693 head of cattle were impounded during the year, and Rs. 1,193 13-6 realized thereupon. There are only two pounds within the municipal jurisdiction, which is not sufficient for the requirements of the town. The erection of another is under contemplation, but a convenient site has not yet been determined on.

House-rent.—There is one bungalow in the possession of the commissioners, which is occupied by the Controller, Department Public Works Accounts.

\* Including the arrears of 1869-70, amounting to Rs. 1,896 3-6.

*Bazar.*—There are two bazars in the station, which are farmed out to the highest bidders at auction annually; and after the necessary expenditure for keeping the sheds in order, any balance is credited to the general fund and expended in local improvements.

The expenditure, which during the year amounted to Rs. 14,599-0-3, is thus classified :—

Details.	Budget estimate.			Actual expenditure.			Excess.	Savings.					
	Rs.	As.	P.	Rs.	As.	P.		Rs.	As.	P.			
Expenses of collection	...	420	0	0	310	0	0	.....	110	0	0		
General charges	...	1,104	0	0	791	4	9	.....	312	11	3		
Road department	...	1,492	0	0	3,871	2	5	2,879	2	5	.....		
Lighting	...	.....	.....	.....	.....	.....	.....	.....	.....	.....			
Watering	...	168	0	0	50	5	6	.....	117	10	6		
Conservancy	...	3,848	0	0	1,824	12	1	.....	2,023	3	11		
Police	...	4,836	0	0	5,046	1	0	210	1	0	.....		
Local improvements	...	1,500	0	0	321	8	6	.....	1,178	7	6		
Miscellaneous	...	3,250	0	0	2,383	14	0	.....	866	2	0		
Total	...	16,618	0	0	14,599	0	3	2,589	3	5	4,608	3	2

The expenditure in all the departments was below the budget estimate, except under the head of police, which shows a trifling excess, caused by the payment of one month's pay for the municipal police for 1869-70 out of the past year's income. In the local improvements, conservancy, and miscellaneous departments, a considerable saving is shown.

The reason for this is the difficulty the overseer found in procuring labor; the utmost number of coolies he could muster frequently not exceeding thirty, and sometimes not even so many.

This year another overseer has been appointed, and better things are confidently expected.

Owing to the deficiency of labor, all that has been attempted was to keep the station clean; the growth of jungle alone during the rains was more than the available labor could keep pace with, and this I attribute entirely to the late overseer's inefficiency.

It was determined at one time to import labor, but this I was averse to do, and I hope now we have overcome the difficulty.

In the matter of collection of house-rates also the overseer has been lax. It was for him to see that notices were duly served on defaulters; but during my absence in the interior of the district the officer in charge of the current duties was over burdened with work, as there was one officer less than usual in the station, and one was exercising reduced powers; the overseer and his mohurir both seem to have overlooked the important duty of collecting the arrears.

The municipality have entered on the new year with about Rs. 5,000 at its disposal; with this it is intended to purchase watering carts and cattle, and with the balance to re-construct police buildings and proceed with the ordinary municipal works.

It would be simply throwing away the public money if we attempted any extensive improvement in a place like Gowhatta with the very limited amount at our disposal. Small matters, such as the filling in hollows, can be proceeded with as labor is procurable; but I am nevertheless of opinion that any sum which can be saved should be funded to meet the expenditure when there is sufficient to carry out an approved scheme of drainage.

The commissioner desires it to be explained why a large sum of money is every year deposited in the treasury instead of being expended. Had we even had a sufficiency of labor, I should have deemed expedient to keep about Rs. 1,000 or Rs. 1,500 available to continue the municipal operations during the early months of the year, until the first quarter rates fall due, and any further sum that can be saved should be funded to meet the cost of more extensive works than we can undertake with our present limited surplus.

*Annual Statement of the Municipal Improvement Fund under Act III of 1864 of the Gowhatta Municipality for the year 1870-71.*

Particulars.	RECEIPTS.			Total	
	Amount.	Rs.	As.	P.	
Balance brought from last year's account	...	89	8	9	
To balance deposited in the treasury	...	894	14	6	984 7 3
To amount collected on account of the 5 per cent. upon the annual value of the houses and buildings	...	2,490	7	0	
To amount realized outstanding of ditto 1869-70...	...	1,089	1	0	3,579 8 0
Ditto on account of fines under Act III of 1864	...	267	12	0	
Miscellaneous	...	16,340	7	0	
Total	...	21,172	2	3	

Particulars.	DISBURSEMENTS.			Amount. Rs. As. P.
Charges incurred in the collection of the rate (of 5 per cent.) upon the annual value of houses and buildings ...	... 310	0	0	
Charges incurred for metalling the strand road	... 1,130	12	0	
Ditto ditto for repairing kutcha (64) roads in south Gowhatta	... 2,011	3	8	
Ditto ditto ditto north Gowhatta	... 633	8	2	
Ditto ditto cutting and removing jungles	... 785	14	0	
Ditto expended in repairing bazar sheds	... 70	11	7	
Ditto ditto ditto cattle pound	... 58	0	9	
Ditto ditto ditto municipal bungalow	... 873	1	6	
Ditto ditto ditto ditto godown	... 238	0	0	
Ditto ditto clearing surfaces, tanks, and ghâts	... 276	0	0	
By amount paid for the maintenance of municipal police	... 5,046	1	0	
Ditto ditto ditto charitable dispensary	... 430	0	0	
Ditto ditto levelling ditch	... 45	8	6	
Ditto removing dirts from the station	... 1,038	14	1	
Ditto repairing bullock carts	... 35	13	0	
By amount expended on account of killing pariah dogs	... 41	4	0	
Ditto ditto ditto compensation paid for lands taken for public purposes	... 13	3	6	
Ditto expended on account of watering in the roads	... 50	5	6	
Establishment of the municipal commissioners	... 765	4	9	
Contingencies	... 26	0	0	
Feed and keep of stock	... 463	7	3	
Purchase of instruments	... 27	5	6	
By amount expended on account of repairing bridge	... 95	10	7	
Ditto ditto purchase of lime	... 75	0	0	
Ditto ditto on account of advance of coolies	... 40	6	0	
Miscellaneous	... 17	8	11	
Total of expenditure	... 14,599	0	3	14,599 0 3
Cash in hand	... 456	3	6	
Deposited in the treasury	... 6,116	14	6	
Grand total	... 21,172	2	3	

GOWHATTY,  
The 26th May 1871.

T. LAMB,  
Dy. Commr. and Chairman.

*Statement shewing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of the Lower Provinces of Bengal, for the week ending 5th August 1871.*

Number.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and Prospects of the Crops at date.	REMARKS.
1	Bhaugulpore	Aug. 4th	2·6	Not much rain...	Janerah gone ; rice very good.	
2	Monghyr	„ 5th	2·1	Generally good	Bhadoi much injured ; Amun excellent.	
3	Purneah	July 28th	4	...*	.....*	* Will be furnished hereafter by the Collector.
4	Rajmehal	Aug. 5th	2	Close and very hot.	Bhadoi on the Dearahs nearly destroyed; Amun good.	
5	Deoghur	„ 5th	5·8	Healthy ; a few cases of small-pox.	Favorable. Heavy rain destroying Sugarcane and Janerah.	
6	Nya Doomka	„ 5th	2·7	Rain and sunshine. Very favorable.	Rice very promising. Indian Corn damaged by rains.	
7	Godda.					
8	Pakour	„ 5th	3·4	Very warm and dry.	Same as last week.	
9	Jamtara.					
10	Patna	„ 5th	1·6	Cloudy and rainy.	Sowing and weeding going on; Janerah injured.	
11	Gya	July 29th	2·6	Seasonable ...	Favorable; Bhadoi doubtful.	
12	Chumparun	„ 29th	·5	Cool and temperate east wind, rain, and clouds.	Bhadoi crops in excellent condition.	
13	Sarun.					
14	Shahabad	Aug. 5th	1·2	Rainy and hot...	Rice favorable ; Janerah and Murwa injured.	
15	Tirhoot	July 29th	1·8	Fine ...	Loss of about 6 annas of Bhadoi crops throughout the district owing to floods and rain : dhan may not suffer much.	
		Aug. 5th	1·8	Fine ...	Generally very satisfactory.	
16	Rajshahye	July 29th	2·2	Rainy and south-east wind.	Ous generally damaged ; Amun, though slightly injured, is in good condition.	
17	Bograhs				Good.	
18	Dinagepore	„ 28th	5·6	Fair ...	Favorable.	
19	Malda	„ 29th	4·4	Wind variable, and constant showers.		
20	Maldah	„ 28th	2·9	Rains and clouds	Good, except in thannah Kaliachak, where 2 annas Bhadoi crop injured by the rise of the river.	
21	Moorshedabad	„ 29th	1·8	Not much rain	Good ; but danger apprehended from inundation. Some injury done by it.	
22	Pubna	„ 29th	3·2	Excessive rain but seasonable ; rapid rise of the river and south-east wind.	Six annas Ous damaged by the rise of rivers. Amun still very promising.	
23	Rungpore.	Aug. 5th	10·8	Seasonable ...	Ditto ditto ditto.	
24	Burdwan	July 28th	1·8	Generally good	Favorable to Ous and Amun crops.	
25	Bancoorah	Aug. 4th	†	Cloudy and rainy	All crops growing well.	
		„ 5th	3·7	Sultry but not insalubrious.	An unprecedentedly rich harvest of rice is expected if it rains in September.	
26	Beerbhoom	„ 5th	4·9	Rainy ...	Good.	

Number.	District.	Date of return from each district.	Rainfall at Suder Station in inches.	Character of the weather in the district as far as known.	State and Prospects of the Crops at date.	REMARKS.
26	Hooghly	... July 28th Aug. 5th	5·6 3·7	Favorable ... Rainy and cloudy	All crops thriving. Favorable, except on low lands.	
27	Howrah	... 5th	3·6	Favorable ...	Favorable.	
28	Midnapore	... 5th	4·2	Favorable ...	Good.	
29	Nuddea	... 5th	1·4	Rainy; good ...	12 annas Ous expected; Amun promising.	
30	Jessore	... July 28th Aug. 4th	2· 3·8	Rainy but favorable. Rainy and cloudy	Good throughout. Ous and Indigo suffered severely in Magoorah. Ous being reaped; rest good.	
31	24-Pergunnahs.	... July 28th	2·4	Rainy and then dry and hot.	Good.	
32	Dacca	... July 28th	2·4	Rainy and then dry and sunny.	Favorable.	
33	Backergunge	... 29th	2·3	Rainy and then fair.	Good.	
34	Furreedpore	... 29th	3·	Fair but hot ...	Good.	
35	Mymensingh	... Aug. 5th July 29th	2·6 6·7	Rainy ...	Ous very fine. Amun partly sacrificed to jute.	
36	Sylhet.					
37	Cachar	... 29th	4·6	Rainy and cool.	Ous worse; Amun good, a little more sun required for tea.	
38	Chittagong.				*	
39	Noakhally or Bullooh.	... 28th	3·7	Clear ...		* Not received, but will be submitted regularly from next week.
40	Tipperah	... 29th	3·1	Cloudy & rainy.	Good and favorable.	
41	Hill Tracts of Chittagong.	... 29th	2·1	Generally favorable.	Satisfactory, both as regards the Beali or Ous and Sarud or Amun.	
42	Cuttack	... 29th	2·1			
43	Balasore.					
44	Pooree	... 29th	2·5	Sufficient rain throughout.	Very fair.	
45	Hazareebagh	... Aug. 5th	3·7	Seasonable ...	Favorable.	
46	Lohardugga	... July 29th	3·4	Wet, but seasonable.	Very good and promising.	
47	Maunbhoom	... Aug. 5th	7·8	Favorable ...	Favorable.	
48	Singbham	... July 29th	2·9	Rainy ...	Favorable.	
49	Durrung	... 29th	2·5	Variable ...	Fair.	
50	Nowgong	... 29th	7·	Cloudy ...	Ous promising.	
51	Seesbaugor.					
52	Kamroop	... 28th	Nil ...	Gloomy and hot	Favorable.	
53	Luckhimpore.					
54	Khasi and Jynteah Hills.					
55	Naga Hills.					
56	Julpigoree	... 28th	2·2	Seasonable ...	Fair.	
57	Gowalparah	... 29th	2·5	Rainy and fresh	Ous reaped; Salee or Amun being transplanted.	
58	Garo Hills	... 29th	2·9	Fair ...	Healthy.	
59	Darjeeling	... 28th	3·6	Healthy ...	Hill crops thriving; others much injured by the hail-stones.	
60	Cooch Behar	... 29th	†	Seasonable ...	Good ...	† No rain-gauge kept.

N.B.—The columns of the districts from which returns have not been received remain blank.

Published for general information,

FORT WILLIAM,  
The 7th August 1871.R. H. WILSON,  
Offg. Under-Secy. to the Govt. of Bengal.

**Supplement to the Circular**  
**Weekly Report of Rainfall compiled at the Meteorological  
 Reporter's Office.**

Met	Divisions.	Stations	Rainfall from 17th to 23rd July 1871.	Rainfall from 24th to 30th July 1871.	RAIN FROM 1ST JANUARY 1871.		REMARKS.
					Rain.	Up to date.	
CUTTACK.	CHOTA NAGPUR.	Cuttack { Telegraph Office ...	3·40	4·40	38·48	30th July 1871.	
		Jail ...	2·70	3·48	33·72	ditto.	
		False Point ...	5·20	Not received	32·30	23rd July 1871.	
		Jajipore ...	6·43	ditto	40·82	ditto.	
		Kendraparah ...	5·30	ditto	27·60	ditto.	
		Jugutsingapore ...	1·50	ditto	28·13	ditto.	
		Sumbulpore ...	3·35	ditto	21·81	ditto.	
		Balasore ...	3·46	3·50	34·06	30th July 1871.	
		Bhuddruck ...	4·65	3·12	33·44	ditto.	
		Pooree ...	3·11	2·61	35·39	ditto.	
PATNA.	BHAWALPORE.	Khoordah ...	1·79	Not received	34·19	23rd July 1871.	
		Hazareebagh ...	5·33	1·86	21·13	30th July 1871.	
		Burhee ...	2·80	3·88	25·06	ditto.	
		Pachamba ...	3·08	3·00	29·34	ditto.	
		Ranchee ...	3·92	3·12	32·28	ditto.	
		Palamow ...	4·31	3·70	29·40	ditto.	
		Purulia ...	2·83	4·87	35·11	ditto.	
		Gobindpore ...	6·13	Not received	20·07	23rd July 1871	From 12th June.
		Chyebassa ...	2·61	ditto	25·36	ditto.	
		Patna ...	4·93	0·10	30·85	30th July 1871.	
RAJSHARIE.	BARDWAJ.	Behar ...	9·11	2·20	32·74	ditto.	
		Barh ...	2·49	1·83	22·26	ditto.	
		Dinapore ...	2·80	0·05	26·49	ditto.	
		Gya ...	3·26	1·02	26·03	ditto.	
		Sherghatty ...	1·58	1·65	21·33	ditto.	
		Nowadah ...	1·81	1·60	23·74	ditto.	
		Arungabad ...	2·85	2·00	15·59	ditto.	
		Chumparun ...	Not received	Not received	21·77	16th July 1871.	
		Bettiah ...	4·15	ditto	22·59	23rd July 1871	From 5th June.
		Chuprah ...	8·99	0·53	31·67	30th July 1871.	
BARDWAJ.	BHAWALPORE.	Sewan ...	2·62	Not received	27·71	23rd July 1871.	
		Mozufferpore ...	3·90	1·80	33·68	30th July 1871.	
		Durbhangah ...	3·35	0·42	39·32	ditto.	... Not received 15th to 21st May.
		Setamaree ...	3·10	1·80	28·86	ditto.	... Not recorded 6th to 19th March.
		Taiapore ...	4·90	1·70	26·74	ditto	... From 1st April.
		Mudhubhani ...	1·47	1·76	26·23	ditto	... From 22nd May.
		Hajipore ...	5·35	0·78	17·34	ditto	
		Arrah ...	3·85	0·33	25·37	ditto	
		Buxar ...	10·25	1·30	35·75	ditto	
		Sasseram ...	5·00	2·54	22·36	ditto	
BARDWAJ.	BHAWALPORE.	Bhubbhooah ...	4·34	0·53	32·49	ditto	
		Benares ...	5·40	Not received	22·83	23rd July 1871.	
		Bhaugulpore ...	4·60	4·63	22·70	30th July 1871.	Not received 10th to 16th July.
		Mudheypoorah ...	2·93	Not received	26·00	23rd July 1871.	
		Banka ...	2·14	0·68	27·14	30th July 1871.	
		Monghyr ...	5·21	4·26	31·53	ditto.	
		Jamooie ...	4·50	3·02	30·68	ditto.	
		Begoosari ...	3·11	4·79	26·70	ditto.	
		Deoghar ...	4·22	2·73	33·07	ditto.	
		Janatara ...	3·93	4·00	37·08	ditto	... From 13th Feb.
RAJSHARIE.	BHAWALPORE.	Rajmehal ...	5·60	1·90	37·80	ditto	... From 12th Feb.
		Pakour ...	3·20	2·30	23·30	ditto	... From 21st May.
		Purneah ...	5·57	2·52	37·20	ditto	
		Kishengunge ...	5·30	Not received	27·85	23rd July 1871	From 12th June.
		Arraria ...	5·84	ditto	25·02	ditto	... From 26th June.
		Rampore Beauleah ...	3·71	0·48	40·76	30th July 1871.	
		Nattore ...	6·50	Not received	47·71	23rd July 1871.	
		Bograh ...	6·40	0·12	57·70	30th July 1871.	
		Dinagepore ...	7·00	0·12	42·82	ditto.	
		Malda ...	3·65	1·01	29·44	ditto.	
BARDWAJ.	BHAWALPORE.	Berhampore ...	1·42	1·78	37·20	ditto.	
		Jungipore ...	4·14	0·54	33·90	ditto.	
		Ludbagh ...	3·74	0·93	29·88	ditto	... From 16th Jan.
		Jamookandi ...	2·68	Not received	25·03	23rd July 1871	From 7th April.
		Pubra ...	2·62	5·19	42·07	30th July 1871.	
		Coomercolly ...	Not received	Not received	5·02	23rd April 1871	Not recorded from 1st May.
		Serajgunge ...	2·42	1·09	51·70	30th July 1871.	
		Raungpore ...	6·00	1·10	60·80	ditto.	
		Bhowanigunge ...	1·69	0·85	44·88	ditto	... From 22nd Jan.
		Titalya ...	6·46	1·88	42·02	ditto	
BARDWAJ.	BHAWALPORE.	Burdwan ...	2·70	2·29	32·95	ditto.	
		Cutwa ...	2·99	1·99	32·82	ditto.	
		Culna ...	2·52	3·90	41·15	ditto.	
		Bood-Bood ...	3·55	1·77	34·84	ditto.	
		Bancoorah ...	1·45	2·44	37·04	ditto.	
		Raueegunge ...	1·98	2·98	30·25	ditto.	
		Sooree ...	3·04	3·39	28·31	ditto.	
		Hooighly ...	2·10	5·60	44·37	ditto.	
		Serampore ...	Not received	4·37	37·02	ditto	... From 20th Mar. and not received 17th to 23rd July.
		Jehanabad ...	3·51	Not received	30·37	23rd July 1871	From 21st April, and not received 10th to 16th July.
BARDWAJ.	BHAWALPORE.	Howrah ...	3·07	3·59	62·00	30th July 1871.	
		Midnapore ...	1·46	2·74	41·02	ditto.	
		Contai { Dy. Collr.'s Office ...	3·85	3·65	41·55	ditto.	
		Eng'r.'s Office ...	3·97	4·15	49·37	ditto.	
BARDWAJ.	BHAWALPORE.	Gurbetta ...	1·70	3·59	39·00	ditto	... From 6th Feb.
		Tumlock ...	Not received	Not received	46·18	16th July 1871.	

DIVISION.	Stations.	Rainfall from 17th to 23rd July 1871.	Rainfall from 24th to 30th July 1871.	RAIN FROM 1ST JANUARY 1871.		REMARKS.
				Rain.	Up to date.	
PRESIDENCY.	Kishnaghur	1'40	Not received	33'32	23rd July 1871.	
	Bongong	2'26	3'24	45'42	30th July 1871.	
	Ranaghat	1'14	2'24	37'21	ditto.	
	Meherpore	1'28	4'24	33'45	ditto.	
	Chooadangah	2'50	4'10	50'95	ditto.	
	Kooshtehan	1'85	2'29	52'53	ditto.	
	Jessore	1'79	4'43	55'12	ditto.	
	Khoolnah	2'25	4'22	46'61	ditto	From 16th Feb.
	Jenidah	2'89	6'81	58'45	ditto	From 6th March.
	Nurail	2'15	3'78	43'52	ditto	From 3rd April.
	Magoorah	1'42	1'41	29'63	ditto	ditto.
	Bagirhaut	5'88	3'67	47'89	ditto	ditto.
	Saugor Island	3'50	5'30	56'30	ditto.	
	Calcutta	2'97	4'05	62'54	ditto.	
	Alipore { Jail	3'14	6'39	68'06	ditto.	
	Hospital...	3'12	7'05	67'25	ditto.	
	Barrackpore	Not received	Not received	55'26	16th July 1871.	
	Dum-Dum	ditto	ditto	40'19	ditto.	
	Baraset	ditto	ditto	36'17	ditto.	
	Satkerah	ditto	ditto	45'57	ditto.	
DACC.	Busscherhaut	ditto	ditto	44'14	ditto.	
	Diamond Harbour	ditto	ditto	51'21	ditto.	
	Barriopore	ditto	ditto	50'94	ditto.	
	Dacca { Telegraph Office	3'95	2'31	63'56	30th July 1871.	
	{ Jail	4'90	1'70	60'70	ditto.	
	Burrisaul	4'41	4'04	61'37	ditto.	
	Dowlat Khan	5'16	3'11	60'05	ditto.	
	Perozepore	5'88	2'21	52'62	ditto.	
	Madariapore	2'40	3'63	47'07	ditto	... Not received 10th to 16th July.
	Forredepore	1'20	4'01	61'88	ditto.	
CHITTAGONG.	Goulunao	2'04	2'47	32'01	ditto	From 5th June.
	Myrgensing	Not received	Not received	61'46	16th July 1871.	
	J. Malipore	2'83	ditto	42'33	23rd July 1871.	Not received 19th to 25th June.
	Atteah	1'35	1'16	75'42	30th July 1871.	
	Kishoregunge	1'29	Not received	70'22	23rd July 1871.	
	Sylhet	4'53	7'20	82'80	30th July 1871.	
	Cachar	4'83	Not received	55'26	23rd July 1871.	
	Hylakandy	Not received	ditto	54'37	9th July 1871.	
	Koyah	ditto	ditto	54'03	16th July 1871.	Not received 12th to 18th June and 3rd to 9th July.
	Chittagong { Telegraph Office	2'60	3'50	65'78	30th July 1871.	
COOCH BEHAR.	{ Jail	3'81	4'43	70'98	ditto.	
	Cox's Bazar	15'21	Not received	103'95	23rd July 1871.	
	Rangamata Hill	6'05	ditto	62'18	ditto.	
	Noakhally	3'84	5'34	74'92	30th July 1871.	
	Tipperah	2'42	2'10	66'20	ditto.	
	Brahmanbariah	1'52	Not received	68'08	23rd July 1871.	
	Akyab	13'80	11'60	134'40	30th July 1871.	
	Buxa	11'11	4'73	113'20	ditto.	
	Gowalparah	5'19	Not received	64'12	23rd July 1871.	
	Dhoobree	2'30	ditto	41'61	ditto	... Not recorded 27th Feb. to 5th March.
ASSAM.	Tura (Garo Hills)	2'06	ditto	64'37	ditto.	
	Darjeeling { Telegraph Office	Not received	ditto	23'56	15th June 1871.	
	Hospital	10'94	1'72	65'13	30th July 1871.	
	Rungbee	Not received	Not received	58'50	30th June 1871.	
	Falacottah	1'39	ditto	41'99	23rd July 1871.	
	Julpigooree	4'64	0'93	58'14	30th July 1871.	
	Boda	5'22	Not received	40'86	23rd July 1871.	
	Tezpore	1'27	ditto	49'31	ditto.	
	Nowgong	4'70	ditto	47'43	ditto.	
	Mungledye	2'28	ditto	40'74	ditto	... From 30th Jan.
CALCUTTA,	Burpettah	9'72	ditto	52'97	ditto.	
	Gowhatti	1'22	ditto	37'77	ditto.	
	Sebsangor	4'53	ditto	63'41	ditto.	
	Jorehaut	6'10	ditto	55'05	ditto	... From 27th Feb.
	Golaghat	4'45	ditto	63'00	ditto.	
	Nazeerah	5'98	ditto	60'55	ditto.	
	Debrooghur	2'25	ditto	68'62	ditto.	
	Suddya	Not received	ditto	53'15	16th July 1871.	
	Shillong	0'57	ditto	40'91	23rd July 1871.	
	Cherrapoonjee	14'43	ditto	193'96	ditto.	... From 18th Feb.
	Jowai	2'82	ditto	73'37	ditto.	
	Sameogoodting	Not received	ditto	27'00	16th July 1871.	

HENRY F. BLANFORD,

Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,  
The 5th August 1871.

## Meteorological Telegraphic Report for the period 30th July to 5th August 1871.

Station.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.	
					Dry.	Wet.		Direction.	Velocity.				
CALCUTTA.	July 30th	10	29.431	29.449	83.5	81.4	91	E by S	...	0.12	K		
	16	29.438	29.476	84.0	80.5	85	S E	...	...	K			
	10*	29.555	29.573	81.5	78.7	89	S S W	...	0.83	....	o		
AUGT.	16	29.506	29.524	82.4	79.6	89	S by E	...	0.34	....	o		
1st	10	29.654	29.672	79.1	78.3	97	S E	...	2.00	....	o, d		
	16	29.590	29.614	79.5	78.4	95	S by E	...	0.23	....	o		
2nd	10	29.603	29.711	80.2	78.5	93	S by W	...	0.04	S			
	16	29.591	29.609	83.0	80.9	87	S S E	...	...	N, K			
3rd	10	29.653	29.671	85.7	80.8	79	E S E	...	...	K			
	16	29.553	29.571	88.9	82.8	78	E by S	...	...	K			
4th	10	29.601	29.619	85.5	80.5	79	W	...	...	K			
	16	29.508	29.524	88.5	83.5	80	W by S	...	...	S			
5th	10	29.681	29.599	86.7	82.5	81	W by N	...	...	S			
	16	29.480	29.498	87.5	83.9	85	....	...	...	S			
SATUR. ISLAND.	July 30th	10	29.432	29.438	80	80	100	N N E	4.5*	1.20	N	d, o, u	
	16	29.356	29.392	83	81	91	S S W	11.1*	0.20	N	o, u, v		
	10*	29.568	29.574	84	79	79	S	17.8*	...	N	o		
AUGT.	16	29.520	29.532	83	80	87	S S E	12.7*	...	N	d, o		
1st	10	29.664	29.670	84	80	83	S S W	8.0*	...	N	o, w		
	16	29.600	29.606	84	80	88	S	4.3*	...	N	o, w		
2nd	10	29.705	29.711	81	80	95	E S E	18.0*	0.40	N	o, r		
	16	29.608	29.612	85	80	79	S S E	1	0.10	N	b, u		
3rd	10	29.665	29.671	83	81	83	W N W	1	0.10	N	b, v		
	16	29.598	29.604	86	83	87	S S W	1	0.10	N	d, o, l, t, u		
4th	10	29.622	29.628	88	84	83	S W	12.0*	...	N	b, w		
	16	29.530	29.536	86	83	87	S W	12.7*	...	N	b, u		
5th	10	29.600	29.608	87	82	79	W N W	13.1*	...	....	a, u		
	16	29.493	29.504	87	88	83	....	81*	...	....	b		
CHITTAGONG.	July 30th	10	29.495	29.603	78	78	100	E	5.2*	1.00	N, K	a, g	
	16	29.445	29.555	78	78	100	E N E	6.4*	1.00	N	d, u, g		
	10*	29.613	29.720	79	77	90	E N E	7.3*	1.20	KS	p, u		
AUGT.	16	29.510	29.600	80	77	88	E S E	5.2*	...	KS	p, w		
1st	10	29.686	29.776	85	81	83	S S E	7.3*	...	K, KS	b		
	16	29.597	29.707	82	79	87	S S E	16.0*	...	K	b		
2nd	10	29.653	29.663	85	79	75	E S E	3.3*	...	C	b		
	16	29.544	29.554	89	80	87	E S W	9.5*	...	K, CK			
3rd	10	29.514?	29.624?	85	81	83	E S E	5.3*	0.30	K	b		
	16	29.514	29.624	83	80	87	W S W	12.9*	...	K, KS	b		
4th	10	29.554	29.654	84	80	83	N N E	4.0*	...	K	b		
	16	29.442	29.531	85	81	83	W S W	9.4*	...	K, C	b		
5th	10	29.512	29.621	87	81	78	S E	3.7*	...	K, C	b		
	16	29.420	29.535	85	82	87	W S W	5.9*	...	K, KS	b		
MADRAS.	July 29th	10	29.757	29.787	84	75	64	S W	0*	...	....	b	
	16	29.640	29.676	89	75	49	S W	7*	...	....	b		
	10*	29.782	29.812	89	75	49	S W	10*	...	....	b		
AUGT.	16	29.653	29.683	94	75	38	W S W	11*	...	....	b		
1st	10	29.806	29.836	87	73	43	W S W	12*	...	....	b		
	16	29.812	29.819	80	75	47	S W by W	11*	0.03	....	b		
2nd	10	29.797	29.797	86	77	64	E	10*	...	....	b		
	16	29.819	29.849	88	78	62	S by W	8*	...	....	b		
3rd	10	29.820	29.790	95	77	41	S S W	9*	...	....	b		
	16	29.815	29.815	90	77	53	S W	9*	...	....	b		
4th	10	29.798	29.738	87	78	65	E by S	12*	...	....	b		
	16	29.839	29.860	90	74	44	W S W	13*	...	....	b, m		
5th	10	29.707	29.737	92	75	43	W by S	3*	...	....	b		
CUTTACK.	July 29th	10	29.473	29.555	86	81	70	W	0.3*	0.80	KS, N, C	r	
	16	29.383	29.476	84	81	87	R S R	0.2*	...	N, C			
	10*	29.408	29.551	81	78	93	S S W	0.2*	0.20	N	d		
AUGT.	16	29.353	29.485	83	70	88	W N W	0.7*	...	N	d		
1st	10	29.528	29.611	89	76	74	S W	0.3*	...	C, KS, N			
	16	29.478	29.631	80	76	89	W S W	0.6*	...	N	o		
2nd	10	29.605	29.687	84	78	75	W	0.9*	...	KS, N	cloudy		
	16	29.533	29.635	83	79	83	N W	0.3*	...	N, C			
3rd	10	29.632	29.714	85	80	79	W N W	0.1*	...	N			
	16	29.675	29.687	83	80	87	N W	...	...	CK, KS	d, t, l, o		
4th	10	29.629	29.711	88	81	79	S W	...	...	CK, KS	cloudy		
	16	29.578	29.601	80	78	91	R S W	0.3*	...	N			
5th	10	29.608	29.690	83	80	87	W S W	0.3*	0.60	N	d		
	16	29.510	29.699	86	80	75	W	0.4*	...	KS, N	a		
6th	10	29.569	29.645	85	79	75	W	0.2*	...	KS, N	cloudy		
	16	29.500	29.688	86	81	79	....	0.2*	...	N	cloudy		
JAYAB.	July 30th	10	29.635	29.650	88	79	83	S	3	1.20	K, KS	o	
	16	29.581	29.596	81	79	81	S	3	0.80	KS	g		
	10*	29.710	29.795	81	78	80	S S R	1	0.90	KS	o		
AUGT.	1st	10	29.686	29.871	79	77	90	S S W	1	1.20	KS	d	
	16	29.748	29.783	88	78	82	S	1	0.10	C, K	b		
2nd	10	29.690	29.705	81	78	88	W	1	0.20	K, KS	g		
	16	29.743	29.753	80	78	91	S E	1	0.10	K, KS	o		
3rd	10	29.655	29.670	88	79	83	S S W	1	0.10	C, K, KS	b		
	16	29.710	29.725	81	78	86	S	2	0.90	KS, N	r		
4th	10	29.621	29.650	81	78	80	W S W	1	0.10	K, N	p		
	16	29.631	29.646	81	78	86	S W	2	0.90	KS	o		
5th	10	29.531	29.546	81	79	81	....	1	0.10	K, KS	a		
	16	29.595	29.610	83	80	87	S	2	0.80	KS	a		
6th	10	29.510	29.531	83	80	87	....	2	...	C, K, KS	j		

\* Velocity of wind in miles per hour.

HENRY F. BLANFORD,  
Meteorological Reporter to the Government of Bengal.

## Abstract of Observations as received in the Meteorological Reporter's Office, Calcutta,

DURING THE HALF MONTH 1st TO 15th JUNE 1871.

N.B.—The Barometric data are reduced for temperatures, and not for height above sea-level.

STATIONS.	BAROMETER.						THERMOMETER.						HUMIDITY.						RAINFALL.		
	MEAN OF			SOLAR RADIATION.			MEAN OF			HIGHEST MAX.			MEAN OF			16 hours.		16 inches.			
	MEAN.	4 hours.	10 hours.	MEAN.	DAY.	Θ	MEAN.	4 hours.	10 hours.	MEAN.	DAY.	Θ	MEAN.	4 hours.	16 hours.	MEAN OF	16 inches.	No. of days.			
Port Blair	110	Not received.		1975	29604		191			67.3			61.0	80.2		...	...	47	53	248	
Madras	27	29664		29544	29612	29512	29557	100	122.0	91.1	4.9	88.2	80.7	89.5	90.4	87.0	12th	64	65	69	
Vizagapatam	31	29564		29640	29680	29610	29680	-0.80	...	83.6	0.3	77.3	81.4	80.9	81.3	82.3	4.5th	90	91	91	
Akyrighat	15	29685		29641	29652	29624	29624	0.89	...	...	...	86.5	86.5	87.3	87.5	85.7	4th	88	88	91	
Falise Point	187	29600		29584	29641	29638	29630	-1.05	144.1	8th	155.0	95.6	106.6	85.1	80.8	87.1	90.4	82.7	26.5	35.40	
Cuttack	80	29503		29508	29541	29530	29530	-0.87	131.4	12th	148.3	94.0	88.2	79.2	85.5	83.5	86.7	80.7	89	82	
Saint Martin Island	6	29555		29545	29550	29503	29580	-0.87	131.4	9th	148.3	94.0	88.2	79.2	85.5	83.5	86.7	80.7	89	82	
Chittagong	108	29534		29502	29581	29550	29550	-0.83	133.4	4th	160.0	91.0	85.0	76.9	82.7	82.7	83.8	81.3	86	82	
Calcutta	1811	29513		29529	29559	29483	29558	-1.03	138.6	2nd	162.3	91.0	87.4	80.4	84.5	84.5	85.6	81.6	82	82	
Jessore	27	29559		29581	29558	29484	29565	-1.04	142.0	1st	153.0	5th	129.0	88.3	9.9	81.7	83.1	80.3	93.2	91.4	14.49
Dacca	35	29538		29538	29574	29480	29564	-0.93	140.3	15th	156.0	87.5	95.4	86.6	10.2	78.4	79.9	83.4	80.8	87	85
Calabar	73	29533		29541	29581	29459	29553	-1.22	145.7	7th	160.0	9th	103.0	90.3	12.7	82.3	77.6	87.3	80.4	90.0	16.5
Hazareedangh	2014	29501		27556	27483	27500	27585	-1.03	145.2	9th	168.0	14.15th	140.0	89.3	16.5	74.1	81.3	76.1	84.8	84.9	79.3
Berhampore	80	29454		29471	29457	29416	29416	-1.21	149.2	11th	165.0	168.0	13rd	91.8	12.7	79.1	83.0	80.1	86.6	83	80
Gya	4000	29416		29416	29431	29405	29405	-1.26	162.7	10th	163.0	15th	138.0	100.1	19.0	81.1	83.3	91.4	96.2	77.6	90.9
Patna	178	29840		29840	29811	29804	29804	-1.98	157.3	5.6th	161.0	15th	147.0	102.0	24.9	77.8	85.4	80.2	93.0	95.9	84.6
Monghyr	1604	29374		29383	29322	29306	29306	-1.26	158.3	8th	161.0	10-11th	150.0	94.9	18.9	78.3	89.1	83.2	74.8	86	81
Darjeeling	6945	23259		23238	23284	23246	23269	-0.88	127.8	13th	139.0	11th	103.0	68.0	10.5	67.6	69.1	64.8	18.8	75.5	13
Gonaparab	386	29490		29401	29432	29417	29417	-1.15	147.3	14th	163.5	10th	88.0	87.3	11.9	75.4	80.9	77.6	83.6	83.6	90.5
Shillong	4793	25105		25097	25131	25080	25113	-0.61	138.9	3rd	151.6	8th	93.5	64.0	68.6	73.4	87.1	84.5	79.5	81.1	81
Benares	26274	29327		26284	28324	28215	28285	-1.00	138.9	3rd	152.0	15th	129.0	96.2	102.4	78.1	86.7	80.7	87.0	83.3	80.9
Roorkee	8797	28688		28690	28741	28641	28673	-1.00	138.9	3rd	152.0	15th	129.0	96.2	102.4	78.1	86.7	80.7	87.0	83.3	80.9

CALCUTTA,  
The 5th August 1871.HENRY F. BLANFORD,  
*Meteorological Reporter to the Govt. of Bengal.*

*Mean Pressures and Temperatures of the preceding Table reduced to Sea-Level, with Mean Wind Directions.*

STATIONS.	Mean barometric pressure reduced to sea-level.	Mean temperature reduced to sea-level.	WIND.	
			Proportional prevalence Max.=100.	Mean direction.
Port Blair	29.691	87.4	43	S 3° W
Madras	29.595	88.7	69	S 49° W
Vizagapatam	29.670	81.4	75	S
Akyab	29.618	86.2	66	S 67° W
False Point	29.585	85.3	68	S 35° W
Cuttack	29.581	85.5	77	S 23° W
Saugor Island	29.646	81.3	54	S 56° E
Chittagong	29.561	82.7	62	S 1° E
Calcutta	29.567	81.7	51	S 49° E
Jessore	29.574	82.2	80	S 31° E
Dacca	29.608	82.5	21	S 41° E
Cachar	29.520	87.0	31	S 45° E
Hazareebagh	29.566	83.8	37	S 84° E
Berhampore	.....	90.5	63	E
Gya	29.522	88.9	82	N 71° E
Patna	29.536	86.3	87	N 88° E
Monghyr	29.629	82.5	27	S 41° W
Darjeeling	29.581	82.0	38	S 38° E
Gowalparah	29.640	82.1	40	S 9° W
Shillong	29.540	91.4	52	E
Renares	29.557	89.3	37	S 47° E
Koorkee	.....	.....	.....	.....

## NOTE.

*Barometric Pressure.*—The pressures in column 2 of the above table for all stations below 500 feet are reduced from those given in column 3 of the table on the previous page by adding the weight of a column of air of the corresponding temperatures given in column 17. For stations of above 500 feet elevation, the reduction is made by Dippe's tables as given in Guyot's "Meteorological and Physical Tables."

*Temperature.*—The temperatures in column 3 are reduced from those in column 17, on the preceding page, by adding 1° Fahr. for every 350 feet.

*Wind Direction.*—The mean wind direction and its comparative prevalence are calculated from the whole number of wind observations recorded during the half-month. The latter is given as a percentage of the whole number of observations. The mean direction is calculated in the usual way by Lambert's formula.

The above being all comparable, afford the data for constructing a meteorological chart for the half-month, which shall show the isobaric and isothermal lines and the resultant wind directions, which last may be represented by arrows of varying length proportioned to the prevalence of the wind. To these may be added the rainfall from the previous tables.

CALCUTTA,  
The 5th August 1871.

HENRY F. BLANFORD,  
*Meteorological Reporter to the Govt. of Bengal.*

**Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 1st to 7th August 1871.**

Month.	Date.	Mean reduced barometer.	THERMOMETER.				Mean dry bulb.	Mean wet bulb.	Mean dew-point.	Mean degree of humidity.	WIND.			Rain.	Moon's phases.	GENERAL REMARKS.
			Highest reading.	Lowest reading.	Max. solar radiation.	Precipitating direction.					Max. pressure.	Daily velocity.				
August...	1st	Inches. 29·624	○ 79·8	○ 77·5	○ ...	○ 78·9	○ 78·1	○ 77·5	0·98	S & S by E	lb ...	Miles. 126·4	In. 2·23	●	Overcast and cumulonstrati. Rain from 1 $\frac{1}{2}$ to 6 P.M.	
	2nd	'642	84·3	78·8	136·0	80·9	79·5	78·5	'93	S by E & S by W	... ...	83·6	0·04	...	Chiefly strati. Light rain from 6 to 9 A.M.	
	3rd	'614	88·9	79·3	146·0	82·0	80·8	78·5	'87	S by W, E & S W	... ...	30·2	...	...	Cirri, cumulonstrati. Thunder at 6 $\frac{1}{2}$ and 8 P.M. Lightning on north-west. Drizzled at 5 $\frac{1}{2}$ P.M.	
	4th	'584	88·5	80·5	147·5	81·4	81·2	79·0	'85	S W, W & W S W	... ...	94·2	...	...	Cirri, cirrocumulonstrati. Lightning on north at 11 P.M.	
	5th	'535	88·9	82·7	...	81·9	89·1	80·1	'86	W S W, W by N & N	... ...	111·3	...	...	Cirri and clouds of different kinds. Lightning at 8 and 10 P.M. Drizzled at 6 $\frac{1}{2}$ P.M.	
	6th	'524	80·2	82·0	147·3	81·7	82·1	80·3	'87	N & E N E	... ...	97·6	1·12	...	Clouds of various kinds. Thunder at 10 $\frac{1}{2}$ A.M. Lightning at 9 P.M. Rain at 10 $\frac{1}{2}$ A.M., 1, 8 and 9 P.M.	
	7th	'452	88·7	80·6	128·0	89·8	81·3	79·5	'87	N E & E N E	1'4	245·7	0·04	...	Clouds of various kinds. Lightning at midnight; slight rain at midnight, 7 $\frac{1}{2}$ A.M. and 1 $\frac{1}{2}$ , 6 $\frac{1}{2}$ and 9 P.M.	

The mean barometer as likewise the dry and wet bulb thermometer means are derived from the twenty-four hourly observations made during the day.

The dew-point is computed with the Greenwich constants.—The figures in column 10 represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1 $\frac{1}{2}$  feet, and that of the anemometer 70 feet 10 inches, above the level of the ground.—The velocity of wind, as indicated by Robinson's anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	... 11·7
The max. temperature during the past seven days	... 89·2
The max. temperature during the corresponding period of the past year	... 90·8
The mean humidity during the past seven days	... 0·89
The mean humidity during the corresponding period of the past year	... 0·86
The total fall of rain from 1st to 7th	Inches. 3·43
{ by lower rain gauge	...
{ by anemometer gauge	2·94
Ditto ditto average of seventeen previous years	... 3·67
Ditto between the 1st January and the 7th August	... 67·87
Ditto ditto ditto average of seventeen previous years...	40·80

GOPENAUGHT SEN,  
In charge of the Observatory.

The 8th August 1871.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

*Approximate Return of Traffic for week ended 29th July 1871, on 1,279½ miles open.*

	COACHING TRAFFIC.			MERCHANTISE AND MINERAL TRAFFIC.			Total traffic receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
	Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.	
Total traffic for the week ...	87,217½	1,06,970 11 11	9,805 13 1	353,828 30	2,26,626 4 3	20,774 1 6	30,579 14 7
Or per mile of railway ...		83 9 8	7 13 3		177 1 11	16 4 9	23 18 0
For previous 3 weeks of half-year ...	272,905½	3,35,016 11 11	30,799 17 4	1,388,923 20	9,05,501 7 6	83,004 6 0	113,714 3 4
Total for 4 weeks ...	360,123	4,41,987 7 10	40,515 10 5	1,742,752 10	11,32,127 11 9	103,778 7 6	144,293 17 11
<b>COMPARISON.</b>							
Total for corresponding week of previous year ...	84,388½	1,07,456 4 3	9,850 3 2	478,285 20	3,47,638 4 9	31,811 16 11	41,662 0 1
Per mile of railway corresponding week of previous year ...		94 15 6	8 14 1		306 11 3	28 2 4	36 16 5
Total to corresponding date of previous year ...	395,866½	4,87,059 1 11	44,647 1 9	2,257,087 10	14,50,248 6 9	133,489 8 10	178,136 10 7

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

*Approximate Return of Traffic for week ended 29th July 1871, on 223 miles open.*

	Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	3,376½	8,478 15 6	777 4 10	25,371 30	7,222 10 0	662 1 6
Or per mile of railway ...		38 0 4	3 9 8		32 6 3	2 19 5
For previous 3 weeks of half-year ...	11,897½	28,462 9 8	2,609 1 5	136,784 10	27,721 6 9	2,541 2 7
Total for 4 weeks ...	15,274	36,941 9 2	3,386 6 3	162,156 0	34,944 0 9	3,203 4 1
<b>COMPARISON.</b>						
Total for corresponding week of previous year ...	5,633	9,566 0 11	876 17 9	21,773 20	7,358 11 3	674 11 0
Per mile of railway corresponding week of previous year ...		42 14 4	3 18 8		83 0 0	3 0 6
Total to corresponding date of previous year ...	15,568½	39,320 13 5	3,604 8 2	85,292 20	25,895 10 6	2,373 15 5
						5,978 3 7

## EASTERN BENGAL RAILWAY.

*Approximate Return of Traffic for week ended the 29th July 1871, on 156½ miles open.*

	Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	25,517	14,638 14 0	1,341 17 11	151,313 20	55,297 8 5	5,068 18 10
Or per mile of railway ...	163	93 8 8	8 11 6	967 0	353 5 5	32 7 9
For previous 4 weeks of half-year ...	85,109½	49,757 11 6	4,561 2 5	250,404 37	96,670 3 10	8,861 8 8
Total for 5 weeks ...	110,626½	64,396 9 6	5,903 0 4	401,718 17	151,967 12 3	13,030 7 6
<b>COMPARISON.</b>						
Total for corresponding week of previous year ...	21,923	12,328 12 0	1,130 2 9	134,951 33	22,445 8 3	2,057 10 1
Per mile of railway corresponding week of previous year ...	194	108 13 10	9 19 7	1,192 0	198 3 1	18 3 4
Total to corresponding date of previous year ...	109,036½	56,421 9 2	5,171 19 7	465,099 14	74,479 4 9	6,827 5 5
						11,990 5 0

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

*Approximate Return of Traffic for week ended 29th July 1871, on 28 miles open.*

	Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	4,278½	676 12 0	67 13 6	10,969 20	340 0 6	34 18 0
Or per mile of railway ...	153	24 2 9	2 8 4	391 30	12 7 5	1 4 11
For previous 17 weeks of half-year ...	113,068½	21,067 4 3	2,106 14 6	177,948 20	5,206 1 0	520 12 2
Total for 18 weeks ...	117,347	21,744 0 3	2,174 8 0	188,918 0	5,555 1 6	555 10 2
<b>COMPARISON.</b>						
Total for corresponding week of previous year ...	4,305	749 7 6	74 18 11	8,157 14	246 11 3	24 13 5
Per mile of railway corresponding week of previous year ...	154	26 12 3	2 13 6	291 0	8 13 0	0 17 8
Total to corresponding date of previous year ...	101,779	17,374 14 6	1,734 9 10	189,823 14	6,601 3 9	660 2 6
						2,397 12 4

GOVERNMENT OF BENGAL.  
PUBLIC WORKS DEPARTMENT.

Irrigation Branch.

*Irrigation Operations of Lower Bengal up to 31st of March 1871.*

Circle.	Canal.	WATER SUPPLIED DURING 1870-71.	APPROXIMATE AREA IRRIGATED DURING 1870-71.						RAIN-FALL.						NAVIGATION RETURNS.						CHIEF IRRIGATION.						REMARKS.	
			1	2	3	4	5	6	7	8	8A	9	10	11	12	13	14	15	16	17	18	19	20					
Orissa	Taldunda	High Level	...	...	...	...	...	...	Cuttack	...	...	22,035	22,035	'38	48'92	56'88	...	...	...	...	...	...	...	...	...	...	Canal closed for re-pairs.	
		Kendrapara	7	1,262	5'	741	Ditto	...	Ditto	...	2,086	308	69,362	69,670	'38	48'92	56'88	do.	Local, inclusive of $\frac{1}{2}$ passengers.	77	361	5,028	3,940	1,905 Cotton	304	Escape 72 cubic feet per second; canal closed from 18th.		
		High Level	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	* On Midnapore side a considerable area called for water for the cultivation of tea, but Government was unable to supply them with water owing to repeated pairs of canal going on, and so the cultivation was not attempted.	
		Midnapore	8	1,300	7'25	125	Ditto	...	...	...	...	...	22,150	22,150	'38	48'92	56'88	do.	Local, inclusive of 21 passengers.	62	872	1,830	4,172	82,888	33	Ploughing ...		
		Pančcoora	6	240	1'42	1129	Howrah	...	...	...	...	...	29,114	29,114	6'5	56'45	63'80	not available.	Government Timber	...	...	...	...	...	...	...	...	
	South-Western	March 1870.	High Level	...	...	...	...	...	Total	...	2,086	303	143,639	143,847	...	...	...	...	...	...	...	...	...	...	...	...	+ The cultivation of cold weather crops in 1870 proved an almost total failure on Pančcoora side owing to salt water having entered the canal. The people weeks so discouraged that they did not attempt the cultivation this year.	
		Kendrapara	...	...	...	...	...	...	Cuttack	...	...	1,509	12	2	2,905	2,07	...	...	...	...	...	...	...	...	...	...	...	...
		Taldunda	...	...	...	...	...	...	Ditto	...	...	1,509	11	6,824	6,835	...	...	...	...	...	...	...	...	...	...	...	...	...
		Midnapore	...	...	...	...	...	...	Midnapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Pančcoora	...	...	...	...	...	...	Howrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Orissa	Taldunda	High Level	...	...	...	...	...	...	Cuttack	...	...	1,509	12	2	2,905	2,07	...	...	...	...	...	...	...	...	...	...	...	
		Kendrapara	...	...	...	...	...	...	Ditto	...	...	1,509	11	6,824	6,835	...	...	...	...	...	...	...	...	...	...	...	...	
		High Level	...	...	...	...	...	...	Midnapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Midnapore	...	...	...	...	...	...	Howrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Pančcoora	...	...	...	...	...	...	Total	1,541	18	24,630	24,048	...	...	...	...	...	...	...	...	...	...	...	...	...	...	

The 8th June 1871.

T. M. KIRKWOOD, c. s.,  
Canal Revenue Superintendent.

GOVERNMENT OF BENGAL,  
*PUBLIC WORKS DEPARTMENT.*

Irrigation Branch.

Irrigation Operations of Lower Bengal up to 30th of April 1871.

*The 8th June 1871.*

Canal Revenue Sup

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WEDNESDAY, AUGUST 16, 1871.

## OFFICIAL PAPERS.

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*Statement showing Rainfall, Weather, State, and Prospects of the Crops in the different districts of the Lower Provinces of Bengal, as reported to Government during the week ending 12th August 1871.*

Number.	District.	Date of return from each district.	Rainfall at weather station, in inches.	Character of the weather in the district, as far as known.	State and prospects of the crops at date.	REMARKS.
1	Bhaugulpore	Aug. 11th	1·5	Favorable ...	Janerah and Bhadoi crops much damaged. Amun very good.	
2	Monghyr	" 12th	2·5	Favorable ...	Bhadoi much injured. Amun cheerful.	
3	Purneah	" 7th	2·2	*	*	
4	Rajmehal	" 12th	*	Very warm ...	Same as last week ...	
5	Deoghur	" 12th	3·1	Favorable ...	Good; low land paddy to suffer from continued rain.	
6	Nya Doomka. Gorla.					
7	Pakour	" 12th	1	Squally, with little or no rain.	Paddy thriving.	
8	Jamtara	" 11th	3	Seasonable ...	Thriving; twelve anna crop expected.	
10	Patna	" 12th	1·1	Cloudy and rainy, but sultry.	Bhadoi much injured by the inundations of the Soane and the Ganges. Rice promising.	
11	Gya	" 12th	6·2	Excessive rain ...	Bhadoi destroyed.	
12	Chumparun	" 5th	1	Oppressive heat; dry westerly winds.	Bhadoi excellent; Aughami or Amun being sown.	
13	Sarun	" 5th	3	Dry and open ...	Rain crops much injured by heavy rains. Rice good.	
14	Shahabad	" 12th	9·4	Heavy rain ...	Bhadoi a little damaged. Amun favorable.	
15	Tirhoot	.....	.....	.....	Good; no further damage to Ous.	
16	Rajshahye	" 10th	3·1	Rainy and close ...	Crops suffering from want of rain.	
17	Bogra	" 11th	9	Unusually dry ...	Cultivation favorably progressing; more rain needed.	
18	Dinagepore	" 5th	1	(Close; no rain ...)	Fair.	
19	Maldah	" 4th	2	First rainy, then dry and excessively hot.		
20	Moorshedabad	" 12th	1·6	Rainy.	Crops on more than 10,000 beegahs of land have been destroyed by inundation. Amun being sown.	
21	Pubna	" 12th	1·9	Seasonable.	Ous slightly injured. Amun good.	
22	Rungpore	" 5th	4	Cool and fine, then hot and sultry.	Amun promising. Ous reaped.	
23	Burdwan	" 12th	1	Favorable.	Ous partly injured by the overflow of the Bhagiruthee. Amun good.	
24	Bancoorah	" 12th	2·9	Sultry and rainy; good for paddy.	Crops progressing well.	
25	Beerhoom	" 12th	1·5	Heavy showers ...	Good.	
26	Hoochly	" 12th	4·6	Rainy ...	Favorable.	
27	Howrah	" 12th	5·2	Favorable ...	Flourishing.	
28	Midnapore	" 11th	3·9	Rainy and damp ...	Good.	
29	Nuddea	" 12th	1·1	Rainy and squally *	Favorable. Low land inundated	* Fever at Kanchrapara and Deobogram.
30	Jessore	" 11th	2·3	Rainy generally ...	Ous being reaped. Amun good.	
31	24-Pergunnahs	" 4th	4	Rainy, then dry and hot.	Good.	
32	Dacca	" 5th	4	Rainy, then sunny.	Favorable generally.	
33	Backergunge	" 12th	4	Squally, cloudy, and then fair.	Good.	
34	Furredpore	" 5th	2	Unusually dry and sultry.	Good. No cause of apprehension.	
35	Mymensing	" 7th	1	Good	Ous mostly planted out; the early one has almost failed, but it is not of much consequence.	
36	Sylhet	" 5th	2·4	Seasonable ...	Generally favorable.	
37	Cachar	" 5th	2·4	Rainy ...	Ous partly damaged. Amun good.	
38	Chittagong	" 5th	2·5	Rainy ...	Good.	
39	Noakhally or Bullocah	" 4th	8·1	Cloudy and close.	Continuous heavy rains unfavorable for the early crops, but good for others.	
40	Tipperah	" 5th	2·7	Cloudy and rainy	A little too much rain for the Bhadoi crops. Rice excellent.	
41	Hill Tracts of Chittagong.					
42	Cuttack	" 5th	2·9	Little rain at Sona Stations.	Early crop being reaped, a good out-turn expected. Amun good.	
43	Balasore	" 5th	3·8	Cloudy and close.	Flourishing.	
44	Pooree	" 4th	6	Cloudy and close.	Good generally; slight injury from inundation.	
45	Hazareebaugh	" 12th	9	Seasonable.	Continuous heavy rains unfavorable for the early crops, but good for others.	
46	Lohardugga	" 5th	5·1	Wet but seasonable.		